Oil Investors' Journal

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BEAUMONT, TEXAS TULSA, OKLAHOMA HOUSTON, TEXAS

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OKLAHOMA OIL FIELDS IN OCTOBER

Pipe Line Runs Averaged 123,483 Barrels a Day as Compared With 120,-142 Barrels a Day in September—Glenn Production 49,000 Barrels a Day as Against 51,500 Barrels a Day in September—Heavy Rains Interfered With Field and Pipe Line Operations—Wells North of the Glenn Not as Large as at First Reported—Armstrong & Cremin Sell Their Lease North of Tulsa—Gist of Conditions in the Various Districts.

PIPE LINE RUNS IN OCTOBER.

	Daily average.
Prairie Oil & Gas Company....	89,483
The Texas Company.....	16,000
Gulf Pipe Line Company.....	18,000
Total	123,483
Sept. average	120,142
Aug. average	120,312

RUNS FROM THE GLENN FIELD.

	Barrels.	Daily avg.
The Texas Co.....	465,000	15,000
Gulf P. L. Co.....	558,000	18,000
Prairie O. & G. Co..	310,000	10,000
Total by pipe lines.	1,333,000	43,000
Run into prod. strge	186,000	6,000
Grand total	1,519,000	49,000
Sept. pipe line runs..	1,291,000	42,500
Sept. producers runs.	270,000	9,000
Total Sept.....	1,561,000	51,500
Decrease in Oct...	42,000	2,500

PRODUCTION OF GLENN FIELD TO DATE.

(Estimated.)

	Barrels.
Accounted for to Oct. 1.....	41,916,137
Accounted for in Oct.....	1,519,000
Total to Oct. 1.....	43,435,137

CAR SHIPMENTS OF GLENN CRUDE.

All shipments	141,765
Daily average	4,573
Sept. average	4,862

TULSA, OKLA., November 2.—(Special.)—Pipe line runs by the Prairie Oil & Gas Company, the Gulf Pipe Line Company and The Texas Company in October averaged 123,483 barrels a day as compared with 120,142 barrels a day in September. The Prairie ran 89,483 barrels a day in October as against 89,-142 barrels a day in September. The Gulf's October runs are put at 18,000 barrels a day as against 14,500 barrels a day in September. The Texas Company ran 16,000 barrels a day in October as compared with 17,000 barrels a day in September. Pipe line deliveries by the three companies averaged 105,107 barrels a day in October, divided as follows: Prairie 74,107 barrels as against 80,194 barrels a day in September, Gulf 15,000 barrels a day, the same as the September record, and The Texas Company 16,000 barrels a day as compared with 17,000 barrels a day in September. The Prairie tanked 15,376 barrels a day in October as against 8,947 barrels a day in September. The Gulf Company's statement indicates an average of 3,000 barrels a day tanked in October. Estimates as to runs from Glenn pool wells in October make the total quantity of oil handled from this field 49,000 barrels a day, the Gulf being credited with 18,000 barrels, The Texas Company 15,000 barrels a day and the Prairie 10,000 barrels a day, while p[illegible]ers placed 6,000 barrels a day in [illegible] own storage. In September the t[illegible]ee pipe lines ran 42,500 barrels a day from the Glenn, and producers stored 9,000 barrels a day, making the total runs from wells 51,500 barrels a day. Car shipments from the Glenn field in October amounted to 141,765 barrels of which 90,000 barrels went to the Security refinery at Beaumont. The Security people received in addition about 130,000 barrels of Glenn oil through the Gulf line. September car shipments amounted to 145,859 barrels.

CHEROKEE SHALLOW SAND.

As illustrating the richness of some of the shallow sand territory a few facts concerning the property of the Chaser Oil Company, the owners of which are C. J Wrightsman and Eugene Blaise of Tulsa, are interesting. They have a lease covering 110 acres in section 35-16-27, about eight miles northeast of Nowata. They recently brought in their No. 12 well which started off at a 1,000 barrel gait and has been keeping it up pretty steadily since. The total production of the 12 wells is at this time about 5000 barrels per day. A fair share of this is being run by the Prairie Oil & Gas Company and the remainder is being put into storage. Ground reservoirs are to be constructed capable of holding between 200,000 and 300,000 barrels. The company has its receiving tanks so placed that the oil from them runs by gravity into the pipe line. They have four drilling machines and have made 13 locations for new wells. It is their purpose to drill in the entire 110 acres of the lease at once. The wells are only 500 to 600 feet deep and there is 57 feet of pay sand. The cost of a well including casing and shot is but about $1000. It is expected the total production of the lease when fully drilled in will not be far from 10,000 barrels a day. Adjoining the Chaser property is the Tiawa lease just purchased by Archibald Campbell and associates for $125,000 cash. The new owners, under the management of Mr. Campbell, have taken possession and have organized the Campbell Oil Company. They are drilling their No. 9 well and will drill the entire lease at once. Mr. Campbell for himself personally has just commenced the development of 170 acres known as the Maria Taggart tract in section 26-17-26, near the California Creek pool. He is now drilling his No. 1. In the same neighborhood Shaffer Bros. and Shaffer have commenced the development of an 80 acre tract in section 36-26-16. They have one well in good for 100 barrels and are drilling their No. 2.

BIRD CREEK.

In the lower or Flatrock division the principal event was the sale of the holdings of the Highland Oil Company in section 19-20-13 to E. M. McFarlain, P. A. Chapman and J. A. Chapman of Holdenville for $30,000. The Highland Oil Company was owned by Armstrong & Cremin and it was on this 20 acres that they drilled the big well early last summer which stirred so much interest in this district. They drilled a second well and it also was a good producer. In the sale just made the two wells were guaranteed to make 400 barrels. The new owners will continue to operate under the name of the Highland Oil Company and will drill in the remainder of the 20 acres. The Gillespie well drilled in the northwest quarter of section 20-20-13, turned out to be a very light producer, and is evidently on the edge of the pool. It is reported the owners will drill further north on their land. The No. 4 of the Alpine Oil Company continues to make a fine showing, being rated good for 800 to 900 barrels. The other wells of the company are shut in pending the erection of additional storage. Wells No. 5 and 6 are now drilling but will be held up at the sand for the same reason. The total capacity of the Flatrock district is now put at 4000 barrels per day.

MORE TESTS NEAR BIXBY.

The conviction is firmly fixed in the minds of many oil men that a good field for oil or gas or perhaps both will yet be opened in the vicinity of Bixby, a small town on the Midland Valley between Tulsa and Muskogee. The Dorothy Oil Company, with which W. M. Evarts of Kiefer is associated, will soon commence drilling a well on the northeast quarter of the northeast quarter of section 23-17-13, on the west side of the town and immediately adjoining it. Mr. Evarts has a lease of 200 acres here. Some time ago the Canadian Oil Company brought in a good gas well a mile southeast of the town. The same company is now drilling another well a mile west of town. The first well drilled by the Canadian Oil Company got the gas sand at a little more than 1300 feet. It is figured that deeper drilling will develop oil.

MUSKOGEE.

A new well in this field which is attracting much attention is Shoenfelt & Harmon's No. 1 on the Ethel Garrett allotment, section 33-15-18. The sand was found at the depth of 1074 feet and is of very fine quality. The oil tests 41.3 gravity The well flower 15 barrels an hour when first brought in and is now making 125 barrels per

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day. The high grade of the oil makes it a very attractive proposition. The Sachem Oil Company is having trouble with its well on the southeast quarter of the southeast quarter of section 6-14-18, known as the Chicken Farm. Much interest attaches to this well as it is expected to mark an outlet to the field to the northwest. Wilson & Lane are drilling an offset to it and should be in the sand before this report appears. The output of the field is now being taken care of in very good shape. Boyd & Patton are operating their 2 inch line to Muskogee and the Prairie is handling what they do not take. The Prairie now has nine 35,000 barrel steel tanks finished at the new tank farm and is working on Nos. 10 and 11.

MORRIS.

Nothing new is reported from this field. Between the Prairie and the Gulf Pipe Line companies all the oil is being run without difficulty. The Prairie added two new 35,000 barrel steel tanks to its farm during the month of October.

HEAVY RAIN STORM.

One of the heaviest rain storms in the history of the Mid-Continent field began Tuesday, October 20, and continued almost without interruption for three days and nights, ending Friday of the same week. The total rain fall in northeastern Oklahoma was not less than 6 inches. The storm rose to its climax on Wednesday when the wind at times reached great velocity, making it utterly impossible to carry on drilling or pumping operations in the various fields. In all the northern fields, including Osago, the Cherokee deep sand, the Cherokee shallow sand, and Bird Creek, the pumping stations of the Prairie Oil & Gas Company were flooded and the running of oil for the week was seriously interferred with. Perhaps the worst of the flood was at Bartlesville where at one time the telegraph station of the Prairie Oil & Gas Company was six feet under water. All telegraph lines of the same company north of Tulsa were out of commission for some time No damage was done to any of the pipe lines in the vicinity of the Glenn field, and neither of the two pipe lines to the gulf appear to

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Oil Producers' Accounts Receive Special Attention

have had any trouble at the river crossings south of here. The natural gas main supplying the city of Muskogee was broken by the force of the water and for two nights and days the people there had a very uncomfortable time. Several railroad bridges were washed out and there was a serious interruption of traffic on some of the lines.

BALD HILL.

The principal work in this field is that of W. H. Roeser on the Roberts tract of 120 acres in section 29. He now has a total of seven wells which have an aggregate production of close to one thousand barrels a day. Part of this is being sold and the remainder run into ground-storage. Mr. Roeser has in the neighborhood of 40,000 barrels in earthen tanks. He is now rigging up for No. 8 well and has locations for two other wells. George Harmon and the Vicmar Oil & Gas Company have recently drilled a well to the sand on the northwest quarter of the northwest quarter of section 20 but will not complete it just now. Galbreath & Chesley have suspended all work in the field for the present. The Texas Company is running about 1000 barrels a day from the field and the Prairie takes a good share of the remainder.

OSAGE.

Operations in the Osage have been almost at a standstill because of floods from the recent storm and from the inability of the Prairie Oil & Gas Company to run the oil. A number of new wells brought in early in October sorely taxed the storage capacity of the field and some of these had to be shut in. The Prairie is now improving its connections with the lower field and it is expected a better condition will soon prevail.

CHEROKEE DEEP SAND

This field has perhaps suffered more than any other from the recent floods. The Prairie Oil & Gas Company was put completely out of commission for several days and drilling work was brought to a standstill. The water caused considerable damage in places.

NORTH GLENN DEVELOPMENT.

The Evans well in section 20-18-12

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and the Letcher well a mile north of it in 30-18-12 are not yet in perfect working condition, but it is now realized that neither is the big well it was at first thought to be. Still, both are expected to make fairly good producers and it is generally agreed that there will be some activity in the north extension of the Glenn field this fall and winter. The Okla Oil Company is drilling in its No. 2 half a mile east of the railroad near Taneha. Its No. 1 has settled down to fifty barrels a day. A good deal of drilling is going on in section 33, near the north line of the Glenn pool and the results are fairly successful. A $50,000 deal for 400 acres in the vicinity of the Evans and Letcher wells is now pending and will probably be closed.

NATURAL GAS IN OKLAHOMA.

The agitation of the question of supplying natural gas to the city of St. Louis from the fields of Oklahoma, has called renewed attention to this whole matter of the quantity, value and the endurance of the natural gas supply of the state and will no doubt result in additional legislation at Guthrie this winter. So absorbed have people been in the production of oil that they have in a measure overlooked the wealth of natural gas that exists in this state. Harry Sanderson, who came here as the representative of the city of St. Louis to examine into the possibility of securing a gas supply for his city, said the amount required for all purposes, manufacturing included, is 1,000,000,000 cubic feet per day. According to the report on natural gas in the United States issued by the Geological Survey for the year 1906, the average production of the entire state of Pennsylvania for that year was 138,-161,385,000 cubic feet, while that of West Virginia, the next highest, was but 119,400,392,000 cubic feet. The same report places the production of Oklahoma wells for the same year at 3,520,-396,000 cubic feet Of course, in the two years that have intervened since 1906 the production of Oklahoma has increased enormously, but even with this increase it is not at all certain that the full demands of St. Louis could be met. Be this as it may, there is, however, no longer a question of the fact that great fortunes are awaiting those who develop the natural gas resources of the state. The average price received for natural gas in Pennsylvania for the year 1906 was 13.4 cents per cubic foot, which made an aggregate revenue of $18,558,245. In the same year the natural gas of West Virginia was worth 11.5 cents per cubic foot, aggregating the sum of $13,735,343. The indications are that the present natural gas resources of Oklahoma are as great as those of any state in the Union and it is a well known fact that for some time these resources have been under development by men chiefly of the older oil and gas states. These men know the value of this product and they are quietly picking up all the gas lands in sight. Probably the field capable of producing the largest amount of gas in the state, at the present moment, is tha along Caney Creek in the upper Cherokee country. Here Joe Evans, the Emerys of Pennsylvania, and other eastern people have drilled a dozen or more wells capable of yielding at least 150,000,000 cubic feet of gas per day. Mr. Evans and Lew Emery of the Caney River Company live in Tulsa, but its direct management is in the hands of Arch Leonard. It is this company that supplies gas to the city of Muskogee. In the same district another company composed of Pennsylvania people have drilled nine wells which have a capacity of 160,000,000 cubic feet per day. All these wells are capped and no gas whatever is being taken from them. But undoubtedly the biggest holder of natural gas in Oklahoma is the Indian Territory Illuminating Oil Company that owns the lease on 680,000 acres of Osage land and about which so much has been said lately. Under the contract this company makes with all those who sub-lease from it, the natural gas developed goes to the parent company. In this manner sub-lessors of oil lands have developed many millions of cubic feet of gas for the Illuminating Company In a single instance a sub-lessor drilled seven wells for oil but got good gas wells, and no oil to speak of. Under the contract, all these gas wells went to the Illuminating Company. A gas field near Tulsa that is rapidly developing into a big producer is that of Charles Page on the east side of the Frisco Railroad near Taneha siding, between Red Fork and Sapulpa. This district is now capable of producing 90,000,000 cubic feet of gas per day and from it many leases are being supplied in the Glenn field. The new Richardson refinery at Sapulpa is also getting its fuel from the Page gas wells. A little further north the Mississippi Oil & Gas Co. has developed about 50,000,000 cubic feet per day, all of which is being taken by the Oklahoma Gas Company, which supplies Oklahoma City and many smaller towns.

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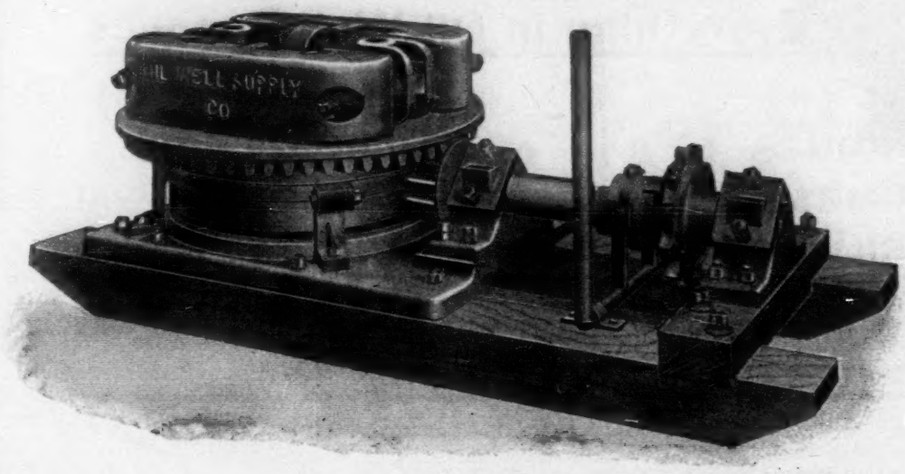

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In addition to these fields there are many single wells scattered about that have developed a heavy flow of gas, indicating the presence of a gas sand of greater or less extent. Many of these wells are capable of producing from 5,000,000 to 20,000,000 cubic feet per day. This is simply a hasty review of the possibilities of the state. It will be sufficient to leave no reasonable doubt that in its natural gas resources the state has great wealth, greater perhaps than in any other singe resource except in its petroleum deposits.

NOTES.

J. R. Sharp of the Producers Oil Company, who has been making an extensive tour in Europe, is expected to arrive in Tulsa shortly.

J. S. Glenn of the Indian Territory Illuminating Oil Company has been in poor health for some time. He spent several weeks during the summer at the Battle Creek Sanitarium and came to his home in Tulsa expecting to go to Hot Springs, Arkansas. He was not able to proceed on his journey but is now much better and it is expected he will soon be out again.

Much disappointment is felt at Okmulgee over the failure of two deep sand tests in that vicinity. The first is that of the Aztec Oil Company in section 9-12-12, on Tiger Flats, eight miles southwest of Okmulgee. A forty barrel showing was found at 2150 feet but the sand at 2340 feet was barren. It was in this deep sand that a 200 barrel producer was drilled in by the Tiger Oil Company several months ago and the well shut in. The second disappointment is over in section 22-13-11, nine miles west of Okmulgee, where the Barbadoes Oil Company got a dry hole at 2340 feet, although some oil was found at 2200 feet.

E. M. McFarlin, H. B. Gooch and J. A. Chapman of the Holdenville Oil Company are drilling a test a few miles east of Holdenville. Holdenville is their home and they have long believed they could develop oil in its vicinity. Operating as the Holdenville Oil Company in the Glenn field, they have made money and are going to spend a little of it near home.

The Gulf Pipe Line Company recently obtained a permit from the commissioners of Tulsa county to lay pipe lines over roads and highways. No

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particular significance attaches to this further than that the company may want to extend its lines over territory of Tulsa county in operations connected with its Glenn field operations.

A rumor has been flying about to the effect that the Prairie Oil & Gas Company would move headquarters from Independence, Kansas, to Tulsa. There are no indications in Tulsa of such a change, but naturally Tulsa people are hoping it is true, as the Prairie employs nearly one hundred clerks at its home offices.

The commissioners of Muskogee county have at last given a permit to the Prairie Oil & Gas Company to lay pipe lines in that county. The company now has such permits for Washington, Nowata, Rogers, Pawnee, Osage, Tulsa, Creek and Muskogee counties. These counties cover all the territory in Oklahoma in which oil has been developed and the permits open the way as far as the Arkansas line if the company desires to lay that 12-inch line to New Orleans.

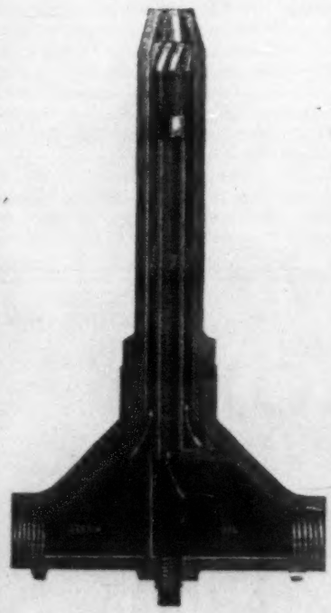
The Prairie Oil & Gas Company has abandoned the deep well on the Brown allotment in section 18, southwest of Mounds after reaching a depth of 2550 feet. Thus another effort to develop a deep sand has failed.

Courtenay Marshall, treasurer of the Security Oil Company at Beaumont, was in Tulsa, October 24 and 25, being detained by the floods prevailing at that time. He was on his way to Salina, Kansas, and was glad of an opportunity to take a run down to the Glenn field.

James Roy, an oil man from Ohio, has arrived in Tulsa and will probably make his home here. He is a brother of John Roy of the Polar Oil Company, which is developing property in the Cleveland district.

Colonel H. Y. Arnold has purchased the fee to the west half of the northeast quarter of section 22-17-12, Glenn field, the land being under lease to the Superior Oil Company, of which C. H. Colcord is president. There are 14 producing wells on the lease. Col. Arnold draws a royalty of one-eighth.

C. H. Colcord, who has been associated with Robert Galbreath in operations in the Glenn field since its beginning, has recently returned from a trip to Alaska, where he has obtained extensive mining interests.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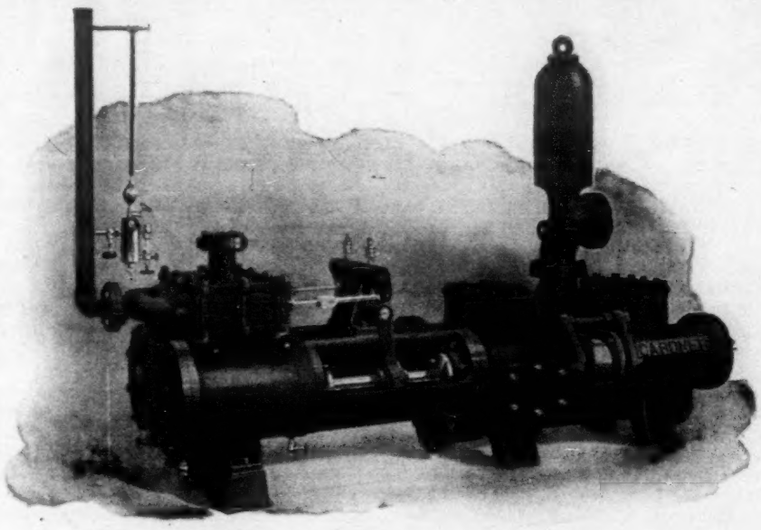

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Doctor Leo Ubbelohde of Germany, who was here recently with Doctor David T. Day of the United States Geological Survey, sailed for home on October 23. Doctor Day is very hopeful that Doctor Ubbelohde will return to America next spring or summer with the other members of the International Commission appointed to secure a uniform method of testing petroleum. In a private letter to a friend in Tulsa Doctor Day says Doctor Ubbelohde was greatly pleased with his visit to the American petroleum fields.

Walter Fondren of Houston has returned home, but before he went he fortified himself with a number of fine lots in Crosbie Heights, the coming fashionable residence district of Tulsa.

B. McOwen of Warren, Pa., has been here taking a look at the various fields. He is president of the McOwen Oil Company, which has extensive holdings near Cleveland and at other points.

The well drilled by the Jennings Brothers interests on the Nancy Bighead land in section 10-15-12, two and a half miles northeast of Beggs, is reported a 10,000,000 gasser at 2250 feet.

Will Sturm of Beaumont is in Tulsa and has met many old Texas acquaintances. Mr. Sturm has the distinction of having drilled the second well on Spindletop.

George H. Neely of the Petroleum Iron Works has been on a visit accompanied by Mrs. Neely. He was not wearing the shirt recently referred to in the Tank Strapper's column of the Journal. Mrs. Neely is opposed to it.

Alexander Hamilton, government oil and gas inspector for the five civilized tribes, was in Tulsa a few days ago, being on a tour of neighboring oil fields. Mr. Hamilton says as a rule he finds both oil and gas wells in pretty good condition

Boyd & Patton, at Muskogee, are furnishing Muskogee crude to the Muskogee Oil Refining Company and to the Chelsea Refinery. They are also under contract to supply the new refinery at Texas City, Texas, which is now under construction and will be in operation early during the coming year.

Cards are out for the wedding of William A. Stuart of Skiatook and Miss Marjorie Esther Perkins of Coffeyville, Kansas, to be celebrated on the evening of November 21 at the Presbyterian church in Coffeyville.

A change has taken place in the ownership of the Robinson Hotel at Tulsa. W. F. Bechtel has sold the lease to W. N. Robinson who once ran it and who was the head of the syndicate that built the hotel. It is said Mr. Robinson expects to make changes and improvements. J. R. R.

Five miles from Plaindealing, La., on the Cotton Belt, and about 3 miles south of the Arkansas line, a test has been abandoned at 2700 feet. It showed neither oil nor gas.

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OKLAHOMA PIPE LINE RUNS

(Month of October.)

PRAIRIE OIL & GAS COMPANY.

Stated in Bbls.	Sept.	Oct.
Runs	2,674,264.06	2,773,995.55
Daily average	89,142.14	89,483.73
Deliveries	2,405,831.40	2,297,332.81
Daily average	80,194.38	74,107.51
Tanked	268,432.66	476,662.74
Daily average	8,947.76	15,376.22
Stocks	37,997,483.82	38,243,027.10

GULF PIPE LINE COMPANY.

(Estimated.)

Stated in Bbls.	Sept.	Oct.
Runs	435,000	558,000
Daily average	14,500	18,000
Deliveries	450,000	465,000
Daily average	15,000	15,000
Tanked	.....	93,000
Daily average	.....	3,000

THE TEXAS COMPANY.

(Estimated.)

Stated in Bbls.	Sept.	Oct.
Runs	510,000	496,000
Daily average	17,000	16,000
Deliveries	510,000	496,000
Daily average	17,000	16,000
Tanked	.....	.....
Daily average	.....	.....

TOTAL RUNS AND DELIVERIES.

Stated in Bbls.	Sept.	Oct.
Runs	3,619,264	3,727,995
Daily average	120,142	123,483
Deliveries	3,365,831	3,258,332
Daily average	112,194	105,107
Tanked	268,432	569,662
Daily average	8,947	18,376

MID-CONTINENT STOCKS NOV. 1.

Prairie Oil & Gas Company	38,243,027
*Gulf Pipe Line Co. (est)	4,793,000
*The Texas Company (est)	1,500,000
In producers tanks (est)	6,800,000
Total	51,336,027

*Oklahoma stocks only. Does not include Oklahoma crude stored in Texas.

NAVARRO REFINING COMPANY BUYS CLAYCO STOCK.

The balance of the stock and interest in the Clayco Oil & Pipe Line Company not already owned by the Navarro Refining Company has been bought by that corporation. The purchase covered an agreed figure for the stock, not made public, and the reimbursement of funds advanced by the Higgins Oil & Fuel Company for development. The issued capital of the Clayco Company was $40,600, nearly $30,000 of which was owned by the Higgins Oil & Fuel Company, Chas. L. Wallis, John N. Gilbert, C. C. Berly and L. L. Donnelly. All of this stock passed in the transaction. The land holdings of the Clayco Oil & Pipe Line Company embrace two 80 acre pieces, one 65 and one 100 acre tract, a total of 325 acres, all situated in the Clay County field about 16 miles north of Henrietta. There are several wells on the property producing a total of about 125 barrels. As a result of the sale the suit recently filed against the Clayco Company at Beaumont by the Higgins Company will be dismissed and the receiver discharged.

HAMILL AND OTHERS SELL SPINDLETOP PROPERTY.

Al Hamill and associates have sold their Gladys property on Spindletop to the Unity Oil Company. The consideration is not given out. The property comprises the east half of block 26 and the north half of block 27, Gladys City subdivision, Spindletop Heights, and has on it four wells with a net production after deducting fuel oil requirements and royalties of 130 barrels. The land is across the street from the property of the Unity Oil Company, located in block 32 of the Gladys. It is reported that Al Hamill had a four-ninths, Pete Posey a four-ninths and J. D. Lemex the remaining ninth in the property sold.

The city of Denison, Tex., has granted a franchise to Treat & Crawford of Pittsburg, Pa., to furnish Denison with natural gas.

OKLAHOMA WELL STATISTICS

(Month of October.)

Oklahoma reported 246 completions in October, of which 230 were producers with initial output estimated at 24,145 barrels, an average of 105 barrels to the well, 15 were dry and 1 gas. The September record was 290 completions, 271 being producers for a total of 24,728 barrels of new oil, or 91 barrels to the well, 16 being dry and 3 gas. In the Cherokee shallow sand field 116 producing wells were completed for 9,155 barrels of new oil, an average of 79 barrels to the well, as against 110 producing wells completed in September with initial output of 10,250 barrels, or 92 barrels to the well. Six dry holes were reported in the shallow sand in October. In the Creek districts, embracing the Glenn pool, Bald Hill, Muskogee and Morris, the completions in October numbered 57, of which 51 were producers with initial output of 6,730 barrels, or 132 barrels to the well, and 6 were dry. In the Cherokee deep sand 48 producers were completed with initial output of 3,320 barrels or 69 barrels to the well, as against 45 producers in September with 2,470 barrels of new oil or 55 barrels per well. The Osage completed 13 producers, the new oil amounting to 4,875 barrels, or 375 barrels per well. The September record was 11 producers with 1,350 barrels initial output, or 123 barrels per well. The Cleveland district reported 2 completions for 65 barrels, as against one 20 barrel producer and one dry hole in September.

On October 31 there were 166 wells drilling and 66 rigs up in the Oklahoma districts, as against 143 drilling and 61 rigs on September 30, an increase of 28 in the total of wells drilling and rigs. The Creek nation, as usual, leads in new work, with 42 wells drilling and 37 rigs, as compared with 42 drilling and 35 rigs on September 30. Following is the summary of Oklahoma well operations for October in detail:

OKLAHOMA WELL STATISTICS.

District.	Oil	Pdn.	Gas	Dry	D'g	Rgs
Cherokee deep	48	3,320	0	3	45	19
Cherokee shal	116	9,155	0	6	57	0
Creek Nation	51	6,730	0	6	42	37
Osage Nation	13	4,875	1	0	19	10
Cleveland	2	65	0	0	3	0
Totals	230	24,145	1	15	166	66
Sept. totals	271	24,728	3	16	143	61
Difference	41	583	2	1	23	5

AVERAGE PRODUCTION OF NEW WELLS.

	—Barrels— Sept.	Oct.
Cherokee deep sand	55	69
Cherokee shallow sand	92	79
Creek Nation	102	132
Osage Nation	123	375
Cleveland	20	32
Average all completions	91	105

THE CRUDE PETROLEUM MARKET

Quotations on Credit Balances as Posted by the Pipe Lines.

SOUTHEAST TEXAS AND LOUISIANA.

Sun Company.

	July 7	July 30	Aug 10	Sept 4	Sept 8	Oct 13
Spindletop	.42	42	45	50	50	57
Sour Lake	.42	42	45	48	48	55
Batson	.38	41	44	48	48	55
Saratoga	.38	41	44	44	48	55
Humble	.42	44	45	50	50	57
Dayton	.35	36	39	39	44	51

All oil run on the basis of 60 degrees F. temperature.

Gulf Pipe Line Company.

	July 30	Aug 10	Sept 4	Sept 7	Oct 7	Oct 12
Spindletop	.42	45	50	50	55	57
Sour Lake	.42	45	48	48	53	55
Saratoga	.41	44	44	48	53	55
Batson	.41	44	48	48	53	55
Humble	.44	45	50	50	55	57

The Texas Company.

Credit balance quotations suspended by this company June 8. Following are postings up to that date:

District	Feb. 4	Mch. 13	Mch. 30	Apr. 20	May 11	May 30
Sour Lake	.75	72	70	68	65	62
Saratoga	.71	71	66	64	61	58
Humble	.73	70	68	65	62	60
Jennings	.70	67	64	60	57	54
Shrevep't	.70	67	64	58	55	52

Above prices do not include loading, storage or other charges on oil shipped by tank car.

Oil Producers Marketing Co.

Credit balance prices posted at Beaumont effective October 1 and until further notice:

Batson, Sun line	54 cents
Batson, Gulf line	55 cents
Saratoga, Sun line	54 cents
Saratoga, Gulf and Texas	55 cents
Sour Lake	57 cents
Spindletop	57 cents
Humble	57 cents

NORTH TEXAS.

Navarro Refining Company.

	June 10	June 13	Oct 15
Corsicana, light	72	70	70
Corsicana, heavy	50	45	48
Henrietta, Texas	60	45	48

KANSAS AND OKLAHOMA.

Prairie Oil and Gas Company.

	—1907— Feb. 11	Mch. 9
32 gravity and over	$0.40	$0.41
32 to 31½ gravity	.37	.38
31½ to 31 gravity	.34	.38
31 to 30½ gravity	.31	.32
30½ to 30 gravity	.27	.28
Heavy or fuel oil	.27	.28

Gulf Pipe Line Company.

	1907 Dec. 5
Glenn Crude	$0.35

EASTERN STATES.

Pennsylvania	$1.78
Second sand	1.78
Tiona oil	1.78
Amber oil	1.78
Corning	1.14
Newcastle	1.22
Cabell	1.32
Butler, Ohio	1.78
North Lima	1.04
South Lima	.99
Indiana	.99
Illinois	.68
Illinois, under 30 deg.	.60
Princeton, Ind.	.68
Somerset	1.00
Ragland	.65
Canada	1.44

The Sun Company of Philadelphia will make extensive improvements in its tanker, the Paraguay. This vessel has been in the oil carrying trade between Sabine, Tex., and Philadelphia for several years. It is estimated that the cost of the work contemplated will be $75,000. The plans include the lengthening of the vessel.

TEXAS AND LOUISIANA SUMMARY

(Month of October.)

Estimates of Gulf Coast production in October make the daily average output of 45,027 barrels, as compared with movement and estimated consumption amounting to 43,852 barrels a day. The surplus for the month is put at 36,416 barrels, or an average of 1,175 barrels a day. September production averaged 44,485 barrels a day and movement and consumption 46,525 barrels. A shortage of 61,190 barrels was indicated in September. The slight gain in output recorded last month was due primarily to increased production at Humble and Caddo. Jennings, which has been one of the chief mainstays of Gulf Coast oil supply, shows a decline. The other districts show little variation. Decreases were reported in the movement of crude in all items excepting vessel shipments from Port Arthur and Sabine, which averaged 8,777 barrels a day in October as against 7,589 barrels a day in September. Car shipments from South Texas points averaged 16,437 barrels a day in October as against 17,496 barrels a day in September. Car and pipe line shipments from Louisiana points averaged 11,380 barrels a day in October as against 15,438 barrels a day in September.

STOCKS.

A careful checking of the stocks of Gulf Coast crude held by the various pipe line and producing companies on October 1 indicates a wide discrepancy between the actual quantity in storage and the amount as carried in the table of estimates. On the date named there was in storage in the tanks of the pipe line and marketing companies (including the Rio Bravo Oil Company) 3,092,890 barrels of Gulf Coast crude. This embraces all credit balances as well as oil owned by the pipe lines. The surplus indicated in October, added to the actual stocks on October 1, would make the stocks on the first of the present month 3,129,306 barrels. The discrepancy between the estimates of stocks, as heretofore carried, and the actual stocks may be attributed to estimates of production which were figured too high and to two items of consumption which have been figured too low, namely field consumption and refinery consumption. Estimates of production are based upon runs from the various fields the fifteenth and the last day of each month. It is the custom to correct these estimates at the end of each year, the actual runs being given in lieu of the figures published from month to month. Field and refinery consumption can only be figured approximately, at best, and in these two items there is much variation on which only a partial check can be obtained. The estimate of 30,000 barrels a month for field consumption has undoubtedly been too low. At Jennings, for instance, where there is an unusually heavy consumption of oil to operate the large air compressor plants, the amount of fuel used is in excess of 1200 barrels a day. A nominal estimate of 75,000 barrels a month has been substituted for the previous figure. Refinery consumption has been put at 150,000 barrels a month. There is perhaps more variation in this item than in field consumption, but the refining companies do not make public their runs and it is impossible to check this feature accurately.

THE CRUDE OIL MARKET.

There has been no change in credit balance quotations since the last report. The market, however, has shown no strength. Several contracts extending to January 1, 1909, are reported at Humble at 55 cents at the wells. Spot sales are also reported at 57 to 60 cents. The price of oil on cars at Humble is between 65 and 67 cents. At Batson, Sour Lake and Saratoga the recent sales have been at the credit balance price, 55 cents. The Spindletop market is 60 cents. Oil in large lots is being offered at Caddo at 55 cents on board cars. Up to November 1 there were several contracts in force in this district at 30 cents at the wells. It is reported that the new contracts are around 45 cents.

Following are the tables of production, movement and consumption of Gulf crude in October:

GULF COAST PRODUCTION, OCTOBER 31.

(Estimated.)

SOUTHEAST TEXAS.

District.	Sept. 30.	Oct. 15.	Oct. 31.
Saratoga	4,500	4,250	4,250
Batson	3,950	4,125	4,200
Humble	12,000	13,350	15,000
Sour Lake	5,000	4,950	5,150
Spindletop	4,200	4,600	4,575
Dayton	190	200	250
Markham	500	375	250
Goose Creek	75	90	80
Totals	30,415	31,940	33,755

LOUISIANA.

District.	Sept. 30.	Oct. 15.	Oct. 31.
Jennings	10,700	10,300	11,300
Caddo	4,500	2,700	3,600
Anse la Butte	1,500	1,000	850
Welsh	85	80	70
Totals	16,785	14,080	15,820

GULF COAST REGION.

District.	Sept. 30.	Oct. 15.	Oct. 31.
Southeast Texas	30,415	31,940	33,755
Louisiana	16,785	14,080	15,820
Totals	47,200	46,020	49,575

PRODUCTION OF THE GULF COAST REGION IN OCTOBER.

(Estimated.)

SOUTHEAST TEXAS.

District.	Sept.	Oct.
Batson	129,000	125,000
Humble	350,000	400,000
Saratoga	130,000	125,000
Sour Lake	138,000	142,000
Spindletop	128,000	135,000
Dayton	5,000	6,200
Markham	14,500	8,060
Goose Creek	2,250	2,480
Totals	896,750	943,740
Daily average	29,892	30,443

LOUISIANA.

District.	Sept.	Oct.
Jennings	320,000	330,000
Caddo	70,000	90,000
Welsh	2,800	2,100
Anse la Butte	45,000	30,000
Totals	437,800	452,100
Daily average	14,593	14,584

GULF COAST REGION.

District.	Sept.	Oct.
Southeast Texas	896,750	943,740
Louisiana	437,800	452,100
Totals	1,334,550	1,395,840
Increase in Oct.		61,290
Daily average	44,485	45,027

MOVEMENT OF SOUTHEAST TEXAS CRUDE AND REFINERY PRODUCTS.

Port Shipments.

Grade.	Sept.	Oct.
Crude	227,678	*272,091
Increase in Oct	....	44,413
Daily average	7,589	8,777

*In addition 65,626 bbls Oklahoma crude shipped in October.

Refinery Products.

	Sept.	Oct.
All grades	561,495	605,194
Increase in Oct.	....	43,699
Daily average	18,716	19,522

SOUTHEAST TEXAS RAIL SHIPMENTS.

Gulf, Colorado & Santa Fe.

Loading Point.	Sept.	Oct.
Saratoga	95,188	63,045
Beaumont	4,247	4,206
Totals	99,435	58,839
Decrease in Oct.	....	40,596

Kansas City Southern.

Loading Point.	Sept.	Oct.
Beaumont	2,304	258

International & Great Northern.

Loading Point.	Sept.	Oct.
Trice (Texas Co.)	110,369	160,222
Increase in Oct.	....	49,853

Houston, East & West Texas.

Loading Point.	Sept.	Oct.
Humble	181,758	179,764
Decrease in Oct.	....	1,994

BATSON OIL FIELD BEST REACHED VIA

FRISCO LINES

STATIONS OPENED FOR FREIGHT AND PASSENGER TRAFFIC

to HULL or HARDIN, Texas

THE NEW ROUTE HOUSTON, TEXAS, TO NEW ORLEANS, LA., THROUGH SOUR LAKE, BEAUMONT, TEXAS, DE QUINCY, KINDER, EUNICE, CROWLEY, OPELOUSAS, AND BATON ROUGE, LA. CONNECTION AT FULTON, LA., FOR DE RIDDER.

TRAINS DAILY IN EACH DIRECTION. ROY TERRELL, G. F. AND P. A., BEAUMONT, TEXAS

Southern Pacific.

Loading Point.	Sept.	Oct.
Sour Lake	116,595	103,023
Gladys	1,918	602
Markham	12,525	6,838
Totals	131,038	110,463
Decrease in Oct.	....	20,575

Total Rail Shipments.

Railroad.	Sept.	Oct.
G. C. & S. F.	99,435	58,839
K. C. S.	2,304	258
I. & G. N.	110,369	160,222
H. E. & W. T.	181,758	179,764
Southern Pacific	131,038	110,463
Totals	524,904	509,546
Decrease in Oct.	....	15,358
Daily average	17,496	16,437

TOTAL MOVEMENT OF CRUDE.

	Sept.	Oct.
Port shipments	227,678	272,091
Rail shipments	524,904	509,546
Totals	752,582	781,637
Increase in Oct.	....	29,055
Daily average	25,086	25,214

MOVEMENT OF LOUISIANA CRUDE.

Rail Shipments—K. C. S.

Loading Point.	Sept.	Oct.
Lake Charles	37,996	6,711
Caddo	61,608	81,541
Totals	99,604	88,252

Southern Pacific.

Loading Point.	Sept.	Oct.
Jennings	62,489	57,228
Mermenteau	*25,000	11,217
Anse la Butte	8,626	7,840
Egan	66,324	51,255
Totals	162,439	127,540
Decrease in Oct.	....	34,899

*Last eight days estimated.

Total Rail Shipments.

Railroad.	Sept.	Oct.
K. C. S.	99,604	88,252
Southern Pacific	162,439	127,540
Totals	262,043	215,792
Decrease in Oct.	....	46,251
Daily average	8,735	6,961

DELIVERIES TO BUTTE LA ROSE (PLAQUEMINE).

	Sept.	Oct.
By pipeline	201,115	*136,995
Decrease in Oct.	....	64,120
Daily average	6,703	4,419

*Includes 25,491 barrels shipped via Bayou Teche due to break in Plaquemine line.

TOTAL LOUISIANA MOVEMENT.

	Sept.	Oct.
Rail shipments	262,043	215,792
Butte la Rose (Plaquemine)	201,115	136,995
Totals	463,158	352,787
Decrease in Oct.	....	110,371
Daily average	15,438	11,380

NET MOVEMENT OF GULF COAST CRUDE.

	Sept.	Oct.
All shipments gross	1,215,740	1,134,424
Jennings transfers to Texas storage	0	0
Net movement	1,215,740	1,134,424
Decrease in Oct.	....	81,316
Daily average	40,525	36,594

TOTAL MOVEMENT AND ESTIMATED CONSUMPTION.

	Sept.	Oct.
Rail and port shipments	1,215,740	1,134,424
Refin'ry consumption	150,000	150,000
Field consumption	30,000	75,000
Totals	1,395,740	1,359,424
Decrease in Oct.	....	36,316
Daily average	46,525	43,852

REQUIREMENTS AND PRODUCTION COMPARED.

	Sept.	Oct.
Total movement and consumption	1,395,740	1,359,424
Total production	1,334,550	1,395,840
Surplus	....	36,416
Shortage	61,190	....
Daily average	2,039	1,175

STOCKS.

Stocks on October 1	3,092,890
Surplus in October	36,416
Stocks on November 1	3,129,306

GULF COAST FIELD OPERATIONS.

Sixty-nine wells were completed in the Gulf Coast region in October, 57 being producers with initial output of 14,312 barrels, and 12 being dry. The September record was 64 completions, of which 49 were producers furnishing 17,265 barrels of new production, and 15 were dry. On October 31 there were 111 wells drilling and 13 rigs up in the Gulf Coast region, as compared with 122 wells drilling and rigs on September 30.

HUMBLE.

Excellent results in the northern extension of the Humble field have greatly stimulated operations in that district. Forty wells were reported drilling there on October 31, with one rig up and 9 new derricks. During the month 23 wells were completed, 20 being producers with initial output estimated at 4675 barrels, and 3 dry. The two largest wells were Ninety-Nine Co. 39, on the Butler, 850 barrels, and Hermann 48, on the Hermann, good for 800 barrels initial production. O'Neil 48, on the Jones was rated at 650 barrels, Simms 1, on the McDonald, 600 barrels, Guffey & Blaffer 1, on the Montgomery and Guffey & Blaffer 2, on the Bailey each 450 barrels, Farish Special 35, on the Butler and Woods & Meadows 7, on the Butler, each 400 barrels. The other completions ranged from 210 barrels down. The Guffey & Blaffer well on the Bailey land is only 350 feet from the San Jacinto river and extends the territory to the north several hundred feet. Guffey & Blaffer 1 on the Montgomery, which is west of the Bailey well, is about 500 feet south of the river. These wells made 450 barrels each through 2 1-2 inch tubing at the start. They have since been equipped with 3 inch tubing and were making over 750 barrels each on November 3. Both are completed in rock and without strainers. East of the Bailey well, E. F. Simms has a fine producer on the McDonald land, rated at 500 or 600 barrels. Some time ago R. L. Blaffer, who is interested with the Guffey Company in the Bailey and Montgomery wells and who took the leases on which these wells are located, drilled a test on the McDonald land, south of the Bailey and about 1500 feet ahead of development. It made oil for a few hours and went to water. The territory is spotted, but where the sand is found it is rich. The Guffey Company is now rigging to drill across the river, probably 1000 feet north of the Bailey well, on the Shannon lease. If the oil formations are developed on the north side of the river it will mean a considerable extension in that direction. The Producers Oil Company is offsetting the Montgomery well with two rigs, close together, on the Bailey & West land, adjoining the Bailey on the west. The northern territory at Humble is the scene of greater activity than at any time heretofore. On November 3 Hank O'Neil brought in a 600 barrel well on the Butler land.

CADDO.

Caddo reported 9 completions in October, of which 5 were producers with 4395 barrels of initial production. Three wells were dry and 1. Gulf Refining Co. & Dawes 1, on the Hellperin land at Vivian, was rated a 15,000,000 to 20,000,000 gasser. Richardson 2, on the Etcheson & Mayfield land, section 32-21-15, Pine Island, was the best producer at the start, being rated at 300 barrels an hour on October 25, the day it came in. It went to mud and water, however, and on October 27 was sanded. Hunter 1, on the Smith land, in the northwest quarter of the southwest quarter of section 1-20-16, produced 300 barrels from the shallow sand the day it came in. It is 1580 feet deep, and is now reported to be making 250 barrels, with a gas line to accelerate the flow. This is the first good well to be completed in the 1580-foot formation. The oil is said to be clean and free from water. Two miles south and a mile east of the new Hunter well in section 1, the Producers 2 on the C. W. Lane land, northeast quarter of the northwest quarter of section 18-20-15, continues to flow. This is the best well yet completed at Caddo. It has been flowing since September, and is said to be making over 1000 barrels of 42 gravity oil. The Caddo Gas & Oil Company has completed two good producers on the Gilbert land about a third of a mile west of the Lane. The first of these has been flowing since August, and is reported to be making 250 barrels. The second was completed in the last week of October and is also a good well. Both are producing the grade of oil developed in the Producers 2 on the Lane. Two and a half miles south of these wells and a little east of the Gulf Refining Company of Louisiana is drilling on the Hostetter land at Mooringsport. The first well drilled on this land nearly two years ago showed the deep oil sand and the same grade of oil found in the wells on the Lane and Gilbert. Efforts to complete it failed, but it is flowing 5 to 10 barrels a day. The presence of the high grade oil at Mooringsport indicates great possibilities for the territory between the Lane and Gilbert wells on the north and Mooringsport on the south, and has led to some activity in the leasing and purchase of acreage in sections 17, 18, 19 and 30-20-15. The Gulf Refining Company of Louisiana has bought about 250 acres in this territory, paying from $100 an acre to $300 an acre. Three miles east of the Lane well and a little north, the Black Bayou Oil Company's well in the southwest corner of section of 10-20-15, is flowing 130 barrels, the oil being heavier than that developed in the wells farther to the west. It was clean until a string of pipe was dropped into the hole, since which time it has been making some red oil. The developments at Caddo within the past two months go far toward justifying the faith of the pioneers in this district. If the Gulf people get a well at Mooringsport it will mean a field at least five miles north and south. Already the development in sections 12-20-16 on the west and section 10-20-15 on the east shows the oil formations over an area four miles in width, from east to west. The proven gas area is even more extensive. Last month the Gulf Refining Company completed a 20,000,000 foot gasser at 1075 feet on the Hellperin land at Vivian, 10 miles north of the development around Oil City, and over 12 miles north of the gas wells at Mooringsport. On the Rogers land at Lewis, about midway between Moor-

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ingsport and Vivian, two very strong gas wells have been completed by Brown Brothers, contractors. The first of these blew out 500 feet from the drill hole, and threatened to make a geyser like the one on the Gilbert land, south of Oil City, which has been running wild for nearly three years. Rather than see this occur the owner, B. F. Rogers, asked Brown Brothers to "kill" the well, if possible. This they succeeded in doing, forcing pipe inside the casing by means of block and tackle and then pumping the hole full of heavy mud. The Rogers 2 on the same land is a 40,000,000 gasser at 1068 feet, and is connected on to the gas line to Texarkana. Up to November 1 the gas had been used only for testing purposes, but it is expected that the line will be in operation this month. The gas rock at Lewis is said to differ from the formation in the older Caddo development. The wells are dry, no water having shown in the No. 2 to date. A well now being drilled by Brown Brothers for the J. C. Trees Oil Company in the northwest quarter of section 27-21-16, two miles west of Lewis, will define the trend of the gas formation to the west. These people, however, are going for oil.

GOOSE CREEK.

No developments of interest were reported from Goose Creek in October. The Producers Oil Company is running seven rigs, of which two—the Jones and Pelly—were shut down waiting for pipe on October 31, and two, the Jones and the Gaillard, had fishing jobs. The Jones well is down over 2400 feet and is being drilled for the deep formation found in the Ashbel Smith 2. Burt-McGaffey's rig on the Kittredge land is shut down. Producers 1 on the Duke land, three-quarters of a mile northwest of the discovery well, was abandoned last month on account of a twist off. A new location has been made on this land but drilling has not started. The only new hole started at Goose Creek in October was the Producers 1 on the Isenhour land, a mile and a half west of the discovery well. It was 1000 feet deep and drilling in gumbo on November 1.

MARKHAM.

The only new work in progress at Markham is the test by the Producers Oil Company on the Hudson land, lot 15 of the Henry Parker survey, one mile south of Hardy 1. It was 600 feet deep on November 1, with a showing of gas reported above this level. The Hardy Company succeeded in recovering the casing in its No. 15, which blew out on October 17, and has gone back into the hole with 4 inch pipe for the purpose of completing it in the 1200-foot formation. Hardy 1 continues to flow about 200 barrels a day. Hardy 2 and Hardy 12 are pumping about 30 barrels each. The Higgins Oil & Fuel Company is loading out a part of the Hardy Company's output. The Hardy Company is selling a small quantity to local fuel consumers and the Rio Brova Company is getting the remainder.

JENNINGS.

Jennings reported 10 completions in October, of which 8 were producers with 3550 barrels of initial production, and 2 were dry. Producers 64, on the

Latreille 40 acres was the largest, producing about 2000 barrels on air the first 24 hours. Gulf Refining Co. 19, on the Arnaudet, was good for 450 barrels on air, and Producers 63, on the Latreille 40 acres, 400 barrels initial production on air. Gulf Refining Co. 8, on the Jennings-Clement produced 350 barrels on the pump the first 24 hours. The other completions were rated at 100 barrels or less. Twelve wells were drilling and 4 derricks were up on October 31. One well was abandoned in October.

OTHER DISTRICTS.

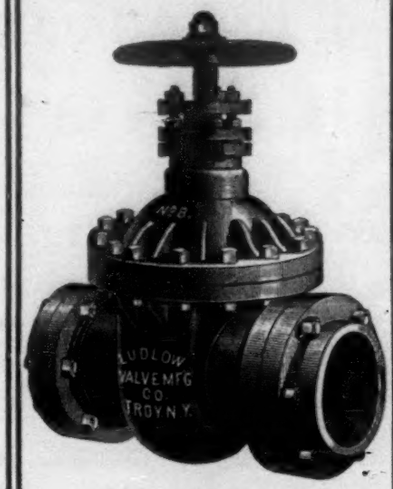
At Sour Lake 10 wells were completed in October, of which 9 were producers with 861 barrels of initial production and 1 was dry. Keever & Gordon 1, on the Marks, was the largest, being rated at 200 barrels initial production. Hardin County 11, on the Hardin County tract, and Robinson & Buckner 2, on the Bailey, were each good for 150 barrels the first 24 hours. Hardin County 11 went to salt water after producing at this rate two days. Producers 1, on the Merchant was rated good for 125 barrels. Texas 128, on The Texas Company farm, and Gilbert 40, on the Gilbert were each rated at 100 barrels, the others being smaller. Twelve wells were drilling and 6 rigs were up on October 31 and 2 wells were drilling deeper.

Spindletop was fairly active with 7 completions in October of which 5 were producers with initial output of 295 barrels and 2 were dry and abandoned. Guffey 106, on the Gladys flats, was the largest completion, producing when put on air 100 barrels of oil and about 1500 barrels of water. The installation of the compressor on this well has been in progress for several weeks and the results of this operation have been looked forward to with great interest. This method of pumping Spindletop wells has not been resorted to since the days immediately following the boom, when the wells began to decline. Maguire & Thresher, on block 19 of the Gladys, and Unity 31, on the Unity Oil Co. fee simple were each credited with 75 barrels initial production. The other two completions were about 25 barrels each. Eight wells were drilling on October 31 and one well, Guffey 104, on the Gladys was rigged to drill deeper.

Saratoga reported 5 completions, all producers, in October with initial production of 245 barrels. Rio Bravo 247, on the Rio Bravo farm was the best with 90 barrels of 17.8 B. gravity oil the first 24 hours. Paggi 9, on the Teel acre produced 75 barrels of 18 B. gravity on the pump, the others being less than 50 barrels. One well was drilling on October 31 and 3 rigs were up for new wells on that date.

Batson reported 3 completions in October, all producers with initial output of 31 barrels. Paraffine 9 on the Paraffine 40, was rated at 15 barrels, Meehan Bros., on the Maryellen, 10 barrels and Higgins 22, on the Higgins, 6 barrels the first 24 hours. Two wells were drilling deeper on October 31.

At Anse la Butte but 1 well was completed in October, Lake 11, on the R. Martin, which flowed natural about 250 barrels the first 24 hours and had diminished to about 100 barrels on air by October 31. Ten wells were drilling on October 31 and 2 rigs were up for new wells.



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At Dayton nothing new is reported, except the erection of a derrick for American Sulphur & Oil Co. 5 in the Trinity river bottoms 150 feet southeast of No. 4.

Following are the tables of well statistics for the month of October and detailed field reports for the last half of the month:

WELLS COMPLETED IN OCTOBER.

District	Com.	Oil.	Dry.	Abd.	Pdn.
Humble	23	20	3	2	4675
Spindletop ..	7	5	2	2	295
Batson	3	3	0	0	31
Sour Lake...	10	9	1	0	861
Saratoga ...	5	5	0	0	245
Dayton	1	1	0	0	10
Markham ...	0	0	0	0	0
Goose Creek.	0	0	0	1	0
Anse la Butte	1	1	0	0	250
Jennings .	10	8	2	1	3550
Caddo	9	5	*4	0	4395
Totals	69	57	12	6	14312
Sept. record.	64	49	15	16	17265

*One gasser.

WELLS DRILLING AND RIGS.

District.	—Drilling— Sept. 30.	Oct. 31.	—Rigs— Sept. 30.	Oct. 31.	Totls Oct. 31.
Humble	33	40	3	1	41
Spindletop ..	8	8	1	0	8
Batson	3	2	0	0	2
Sour Lake...	11	12	2	6	18
Saratoga ...	4	1	2	3	4
Dayton	2	2	1	0	2
Jennings ...	14	12	1	0	12
Caddo	18	14	0	1	15
Anse la Butte	8	10	1	2	12
Markham ...	1	2	0	0	2
Goose Creek.	8	8	1	0	8
Totals	110	111	12	13	124
Totals Sept. 30					122

HUMBLE.

COMPLETED.

Hermann 48, Hermann, 800 bbls.
Sun 24, Hermann, 15 bbls.
Farish special 35, Butler, 400 bbls.
Fondren 20, Adams, 100 bbls.
Esperson 13, Hermann, 20 bbls.
Guffey & Blaffer 1, Montgomery, 450 bbls.
Guffey & Blaffer 2, Bailey, 450 bbls.
Nickolson 5, Butler, 150 bbls.
Ninety-Nine Co. 41, Butler, dry.
Edwards 2, Butler, 45 bbls.
Completed 10, producing 9, dry 1, new production 2430 bbls.

DRILLING.

Hermann 40, Hermann, shut down.
Hermann 49, Hermann, waiting cable tools.
Hermann 50 and 51, Hermann.
Hermann 52, Hermann, bailing.
Hermann 53, 55 and 56, Hermann.
Producers 88, Bering-Cortes, waiting cable tools.
Producers 91, Hermann & Brockman, shut down.
Producers 102, Moore 2 acres, fishing.
Producers 103, Matthewson, waiting cable tools.
Farish special 34, Butler.
Ninety-Nine Co. 38, Queen Bee, waiting cable tools.
Ninety-Nine Co. 40, Bailey.
Ninety-Nine Co. 42, Butler, waiting standard rig.
Ninety-Nine Co. and Producers 104, Bailey.
Decker & Paddock 3, Bender.
Guffey & Blaffer 1, Cobb (2d hole).
Guffey & Blaffer 2, Prince.
Guffey & Simms 4, Jones, bailing.
Guffey & Simms 5, Jones, waiting cable tools.
Guffey & Simms 6, 7, and 8, Jones.
Nickolson 2, Jones.
Nickolson 4, Jones, shut down.
Nickolson 6, Butler.
Woods & Meadows 1, McDonald.
Woods & Meadows 8, Butler, shut down.
Sun 56, Holmes, shut down.
Sun 69, Hargraves, shut down.
Sun 72, Bailey.
O'Neil 1, Butler.
Burt-McGaffey 1, Marshall (wildcat).
Emerson & Potts 2, Butler.
Esperson 14, Hermann.
Simms and others 2, Bart.
Meris and Soden 5, Perriman.
O'Neil 49, Jones.
Drilling 40.

RIGS.

Sun 71, Hargraves.

DERRICKS.

Hermann 54, Hermann.
Ninety-Nine Co. and Producers 105, Bailey.
Ninety-Nine Co. and Producers 106, Bailey.
Guffey & Blaffer 2, Montgomery.
Guffey & Blaffer 2, Bailey.
Guffey Co. 2 and 3, Hirsch.
Guffey & Shannon 1, House.
Farish 24, McDonald.
Derricks 9.

ABANDONED.

Ninety-Nine Co. 41, Butler, dry.
Edwards 3, Butler (derrick).
Abandoned 1, not drilled 1.

SPINDLETOP.

COMPLETED.

Wilson-Broach 10, Cassie lease of the Higgins, dry, abandoned.
Guffey 6, Lucky Strike lease of the McFaddin, dry, abandoned.
Guffey 106, Gladys flats, 100 bbls. oil

(Continued on page 16.)

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GULF COAST FIELD OPERATIONS.

(Continued from page 12.)

and 1500 bbls. water with air compressor.

Abercrombie & McAllister, Higgins, 20 bbls.

Unity 31, Unity fee simple, 75 bbls.

Completed 5, producing 3, dry 2, abandoned 2, new production 195 bbls

DRILLING.

Peerless Oil Co. 4 (Shepherd & Davenport), block 22, McFaddin.

Wilson-Broach 1, block 20 Gladys, dry, shut down.

F. D. Smith & Co. 15, old Heywood lease.

Wilson-Broach 2, block 20, Gladys, ready to pump.

Unity 20, McFaddin.

Wilson-Broach, old Miss.-Tex. lease, block 22, McFaddin.

Maguire & Tolliver, old Thresher & Davis lease, block 19, Gladys.

Bowles Bros., block 15 Gladys.

Drilling 8.

DRILLING DEEPER.

Guffey 104, Gladys, rigged to drill deeper.

GOOSE CREEK.

COMPLETED.

None.

DRILLING.

Producers 2, Gaillard 350 feet southwest of Gaillard 1; fishing at 900 ft.

Producers 2, Jones (formerly carried as Producers 1), drilling at about 2412 feet.

Producers 1, Sweet 20 acres, 1000 ft. E. of Gaillard 1; in rock at 1480 ft.

Producers 1, Pelly, 1-2 mile N. W. of Gaillard 1; down about 1775 ft.

Burt-McGaffey 1, Kittredge; shut down.

Producers 3, Ashbel Smith, 75 ft. N. of No. 1; in rock at 1850 ft.

Producers 2, Busch 10 acres, 80 ft. W. of No. 1; fishing at 1520 ft.

Producers 1, Isenhour, 1 1-2 miles W. of Gaillard 1; in gumbo at 1000 ft.

Drilling 8.

NOTE.

Depths given above are as of November 1.

MARKHAM.

COMPLETED.

None.

DRILLING.

Hardy 15, about 500 ft. W. of Hardy 2; casing recovered; preparing to complete well in 1200 foot sand.

Producers 1, Hudson land, lot 15, Henry Parker survey; drilling at 600 feet.

SOUR LAKE.

COMPLETED.

Texas 128, Texas farm, 100 bbls.

Producers 1, Merchant, 125 bbls.

Minor 22, Higgins, 15 bbls.

Young & Aanderson 6, Swayne, 6 bbls.

Gilbert 40, Gilbert, 100 bbls.

Robinson & Buckner 2, Bailey, 150 bbls.

Drake 5, Brooks, salt water.

Completed 7, producing 6, dry 1, new production 496 bbls.

DRILLING.

Texas 129, Texas.

Producers 1, Sour Lake Oil Co. tract.

Britton 3, Cannon.

Keever & Gordon 2, Marks.

Anderson 20, Swayne.

Hardcastle 1, Gulf Coast Oil Co. tract, shut down.

Anderson 8, Sour Lake Oil Co., shut down.

Chapple 5, Lone Acre, shut down.

Edna 1, Jackson, shut down.

Crosbie 5, Wirt Davis, shut down.

Annex 1 1-2, West, shut down.

Hardcastle 1, Carpenter, waiting standard rig.

Drilling 12.

DRILLING DEEPER.

Johnson 107, Rio Bravo.

Minor 20, Shoestring.

RIGS.

Hardin County 12, Hardin County tract.

Annex 2, West.

Robinson & Buckner 3, Bailey.

Young 1, Rodgers.

Hardcastle 2, Carpenter.

Sun 1, Turpin.

Rigs 6.

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NOTE.

Hardin County 11, on the Hardin County tract, which came in late in October, produced at about 150 bbls. for two days, then went to salt water.

SARATOGA.

COMPLETED.

Paggi 9, Teel acre, 75 bbls. 18 gravity on pump.

Cotton 3, Petty 1-2 acre, 40 bbls. 17.2 gravity on pump.

Guffey & Taber 5, Phillips strip 5, Hopkins, 35 bbls 21 gravity on pump.

Completed 3, producing 3, new production 150 bbls.

DRILLING.

Gaines 1, Teel farm, shut down.

RIG.

Paggi 10, Kirby 2 1-2 acres.

Producers 10, Weiss, 300 ft. W. No. 3.

Sun 42, Kirby.

Rigs 3.

DAYTON.

COMPLETED.

None.

DRILLING.

J. M. Mills 1, Mills farm, 560 ft. gumbo.

Am. Sulph. & Oil 4, Trinity river bottoms.

Drilling 2.

DERRICKS.

Am. Sulph. & Oil 5, Trinity river bottoms, 150 S. E. No. 4.

NOTES.

Mills 1, using 4 inch pipe with 6 inch bit with no casing. No showing to date but formations same as usual in Dayton field.

Am. Sulph. & Oil 4, some showing oil at about 600 feet. Expect to set strainer and test for oil at this depth. Sulphur formation about same as No. 2.

BATSON.

COMPLETED.

Meehan Bros., Maryellen, 10 bbls.

DRILLING.

Poverty Oil Co., Choate.

Paraffine 10, Paraffine 40 acres.

Drilling 2.

HENRIETTA.

COMPLETED.

Navarro Ref. Co. 2, E. M. Perkins, 75 bbls.

Navarro Ref. Co. 3, E. M. Perkins, 60 bbls.

Navarro Ref. Co. 1, C. H. Carrow, 15 bbls.

Completed 3, oil 3, new production 150 bbls.

DRILLING.

Navarro Ref. Co. 4, E. M. Perkins.

Navarro Ref. Co. 2, C. H. Carrow.

Navarro Ref. Co. 2, Avis & Smith.

Navarro Ref. Co. 1, De Vitt.

Navarro Ref. Co. 2, Schnell.

Clayco 6, Lochridge.

Producers 1, block 24, Byers.

Producers 1, block 91, Byers.

Sun 1, Landrum.

Drilling 9.

NOTE.

The Navarro Refining Company has ordered 4 inch pipe for gas lines to Henrietta and Wichita Falls, Tex., and expects to have the lines completed to the corporate limits of these two cities by January 1. The same company expects to put in a gas line to Fort Worth and will begin taking right of way immediately.

The interest of the Higgins Oil & Fuel Company in the Clayco Oil & P. L. Company has been purchased by the Navarro Refining Company. This latter company now owns the Clayco and the suit against the Clayco instituted by the Higgins people at Beaumont, in which a receiver was appointed, doubtless will be dismissed.

The big gas well on the Clayco Company's lease on the Panhandle land had not been shut in on November 1, but it was expected that it would be under control by the end of this week.

CORSICANA.

COMPLETED.

P. M. Lea 4, Thompson, 5 bbls.

Corsicana Pet. 9, Roberts, dry.

Corsicana Pet. 5, Anderson, dry.

DRILLING.

Corsicana Pet. 6, Anderson.

POWELL.

COMPLETED.

Witherspoon & Co. 1, John Towns, 10 bbls.

Witherspoon & Co. 1, J. D. Mills, Jr., dry.

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Witherspoon & Co. 2, J. Jackson, dry.
Witherspoon 1, Witherspoon, 20 bbls.
Whitehill & Co. 25, J. O. Burke, 30 bbls.
Junior O. & P. L. Co. 13, Towns, 15 bbls.
Completed 6, oil 4, dry 2, new production 75 bbls.

DRILLING.

Witherspoon 2, Witherspoon.
Witherspoon 3, Witherspoon.
Ind. O. Co. & West, Witherspoon.

CADDO.

COMPLETED.

Gulf Ref. Co.-McCann & Harper 1, Posey (Vivian), dry.
Gulf Ref. Co. and Dawes 1, Heilperin (Vivian), 15,000,000 foot gasser.
Filer, 2, Filer,30 bbls.
Richardson 2, Etcheson & Mayfield, section 32, Pine Island, 3900 bbls.
Trees 1, Heilperin & Liebman, dry.
Trees 1, Dixon, dry.
Caddo G. & O. 2, Gilbert, 90 bbls.
Hunter 1,Smith, section 1-20-16, 300 bbls from shallow sand.
Completed 8, producing 4, dry 3, gas 1, new production 4320 bbls.

DRILLING.

Caddo G. & O. 1, Donnell (Tex. State line), shut down.
Producers 2, Harrell
Producers 1, Rudersdorf, shut down.
Producers 2, Homestead.
Producers 2, Murray & McGowan.
Gulf Ref. Co. 2, Hostetter (Mooringsport).
Heywood Oil Co. 1, Heywood 5 acres, section 1.
Producers 1, Murray, Colquitt & Hardy.
Blanchard 3, Surrey O. & G. Co., shut down.
Blanchard 1, Croom (Mooringsport).
Benedum & Trees 1, J. Stiles.
Black Bayou Oil Co. 1, Alexander.
Producers 3, Black Bayou Lbr. Co.
Caddo G & O. 6, Smith.
Drilling 14.

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RIGS.

Marshall Gas Co. 1, R. T Cole.

NOTE.

Richardson 2, on the Etcheson & Mayfield tract, section 32, Pine Island, came in October 25, producing from 3500 to 4000 bbls. a day. On October 27, it went to mud and water and soon sanded. Since then it has not produced.

JENNINGS.

COMPLETED.

Gulf Ref Co. 2, Jennings Fee Simple, 75 bbls.
Gulf Ref. Co. 9, Clement, 100 bbls.
Gulf Ref. Co. 10, Clement, 75 bbls.
Producers 64, Latreille 40 acres, 2000 bbls. on air.
Producers 63, Latreille 40 acres, 400 bbls. on air.
Grand Gulf 1, Lormand, dry.
Completed 6, producing 5, dry 1, new production 2650 bbls

DRILLING.

Gulf Refg. Co. 11, 12 and 13, Jennings-Clement.
Producers 65 and 66, Latreille 40 acres.
Producers 62, Latreille 160 acres.
Zigler 9, Ismerie, twisted off core barrel, fishing.
Heywood Oil Co. 7, Acadia.
C. O. & M. 38, Fee simple.
National 7, Simon.
Great Southern 1, Arlington 3 acres, shut down.
Barker 1, in Jennings city limits, shut down.
Drilling 12.

DERRICKS.

V. Holler 1, Cutting
Chgo.-Jennings 11, Clement.
Zigler 10, Conklin.
National 8, Conklin.
Derricks 4.

ABANDONED.

Grand Gulf 1, Lormond, dry.

NOTE.

Gulf Ref. Co. 14, Arnaudet, which was drilled deeper, developed salt water. Pulled screen to drill deeper.

ANSE LA BUTTE.

COMPLETED.

Lake 11, R. Martin, 250 bbls. natural first 24 hrs., doing about 100 bbls. on air October 31.

DRILLING.

Lake 12, R. Martin, 1392 feet.
Anse la B O. & M. Co. 3, Begnaud, 1785 feet.
Daspit 1, Hebert, 1881 feet.
Baton Rouge 1, La. Petroleum tract, 1075 feet.
Deborah 3, I. A. Broussard, 1025 feet.
Stokie 1, A. Broussard, 600 feet.
J. Y. S. 1, A. Martin, shut down.
Lake 8, R. Martin, shut down.
Grow 1, N. Patin, shut down.
Anse la B. O. & M. Co. 1, Begnaud, shut down.
Drilling 10

RIG.

Lake 13, R. Martin.
New Iberia Petroleum Co. 1, Moresi.
Rigs 2.

INCORPORATED.

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Piedras Pintas Oil Pipe Line Co., of Corpus Christi, incorporated with $250,000 capital stock; Jack Ennis, president; W. G. Blake, vice president; Jess Fry, secretary and treasurer.

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Co-operative Oil & Land Co., of Blanchard, incorporated with $75,000 capital stock; E. L. McCain, president; R. T. Morgan, vice president; B. H. Carter, secretary and treasurer.

Harry Oil Co., of Franklin, incorporated with $5000 capital stock; H. D. Smith, Jr., president; D. S. H. Smith, vice president; R. Herbert Smith, secretary and treasurer.

Investors' Oil Co., of Shreveport, incorporated with $50,000 capital stock; L. E. Etcheson, president; R. L. Mayfield, first vice president; H. L. Heilperin, second vice president; Sidney H. Florsheim, secretary and treasurer.

Pine Island Oil & Land Co., of Shreveport, incorporated with $50,000 capital stock by L. E. Tigner, W. D. Castle, E. M. Hinkle and others.

Columbia Prospecting Co., Ltd., of New Iberia, incorporated with $50,000 capital stock by E. S. Broussard, New Iberia; A. F. Lucas, 1406 16th street N. W., Washington, D. C., and others to prospect for oil in New Iberia.

Oklahoma.

F. H. McReynolds Oil & Gas Co., of Tulsa, incorporated with $10,000 capital stock by R. E. Mackham, R. S. Sherman, both of Tulsa, and F. H. McReynolds, St. Louis, Mo.

New Oklahoma Oil Co., of Muskogee, incorporated with $10,000 capital stock by E. R. McFarline, William Uphoff and W. W. Clair.

Lava Oil & Gas Co., of Sapulpa, incorporated with $12,000 capital stock by F. W. Turner, S. P. Smith, Ira Perkins and others.

Roberts Oil Co., of Tulsa, incorporated with $5000 capital stock by Seth Ely, J. E. Tomlinson and B. F. Rice.

Progressive Oil Co., of Tulsa, incorporated with $35,000 capital stock by S. S. Babcock, F. J. Towar and A. Campbell.

Taft Oil Co., of Tulsa, incorporated with $50,000 capital stock by Charles Page, E. Magnuson and C. E. Roth.

Paova Petroleum Co., of Tulsa, incorporated with $10,000 capital stock by John Eaton, Louis Sands and E. M. Riese.

Miscellaneous.

Clark-Hines Oil & Gas Co., of Parkersburg, W. Va., incorporated with $9000 capital stock by L. M. Hines, J. E. Hines, both of Parkersburg; W. A. Clark, Marietta, Ohio, and others.

Portland Oil & Gas Co., of Salem, W. Va., incorporated with $25,000 capital stock by J. C. McGregor, S. W. Ewart, H. B. McKinley and others.

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New York City.—E. Steiger & Co., 25 Park Place.

HEAVY EXPORT SHIPMENTS FROM TEXAS PORTS.

A notable feature of the movement of oil from Port Arthur and Sabine by vessel in October was the large quantity of refinery products loaded for export. Eight cargoes cleared from the docks of the Gulf Refining Company and The Texas Company at Port Arthur and the Security Oil Company at Sabine, representing a total shipment of 303,444 barrels of 42 gallons each. In addition the Japanese tanker Soyo Maru took 41,722 barrels of Oklahoma crude from the Gulf Company's docks, destined for the Nanboku refineries at Yokohama. The export shipments of refinery products in the order of their clearing were as follows: October 5, Tiflis for Rouen and Antwerp from Gulf docks, 23,410 barrels; October 6, Soyo Maru for Yokohama from Gulf docks, 41,722 barrels Glenn crude; October 9, H. Wadsworth for Liverpool from Gulf docks, 22,248 barrels; October 20, Carpathian for Amsterdam from The Texas Company's docks, 48,981 barrels; October 24, Edward Dawson for Liverpool from Gulf docks, 16,438 barrels; October 26, Texas for Avonmouth, England, from Security docks, 51,961 barrels; October 27, Bloomfield for London from Security docks, 45,082 barrels; October 30, Oklahoma for London from Gulf docks, 60,247 barrels; October 31, Terek for Rotterdam from Gulf docks, 40,076 barrels.

Domestic shipments of refinery products from Port Arthur and Sabine in October amounted to 296,750 barrels, making the total quantity, including cargoes for export, 605,194 barrels—an average of nearly 20,000 barrels a day. This is exclusive of the car shipments from the various refineries. The movement by vessel, however, as detailed above, is conclusive evidence of the growing importance of the refining industry in Southeast Texas

GEOLOGY OF THE CADDO DISTRICT.

G. D. Harris, state geologist of Louisiana and professor of geology at Cornell University, is working on a survey of the Caddo, La., oil and gas field. His preliminary examination of the region convinced him that it was an unusually large and interesting proposition and he enlisted the aid of the United States Geological Survey to enable him to make a thorough investigation. At his suggestion Dr. David T. Day, head of the department of petroleum research of the United States Geological Survey, recently visited Caddo, going from there to Tulsa, Okla. I. N. Knapp, who is drilling some tests in Terrebonne and Lafourche parishes, La., has also looked over the field at the invitation of Professor Harris. Both Dr. Day and Mr. Knapp were greatly impressed with the possibilities of the district. Professor Harris is familiar with the geology of the Appalachian oil region and likens the Caddo territory to the West Virginia and Pennsylvania formations. He has defined a great underground plateau in the northeastern part of Louisiana and extending over into Texas. In the folds of the cretaceous beds composing this plateau are deposits of oil and gas which he believes will be developed at numerous places and over a large area. The formation is totally different from that along the Gulf Coast, where the oil is found in domes and confined to a very small area. He does not look for such large wells as are developed in the Gulf Coast pools, but expects to see moderate sized wells brought in at various points in the defined area. The gas supply he regards as being good for 25 to 50 years, and he does not think the wild gassers at Caddo will have any appreciable effect in draining the gas sands because they are distributed over a very wide territory. In his report he will apply the proper nomenclature to the various formations in the Caddo district and he hopes in this way to make the correct names of the formations familiar to drillers so that in future the logs or records of wells will be uniform as to this feature.

In response to a request Professor Harris has given the Oil Investors' Journal the following outline statement of the geological occurrence of oil and gas in the Caddo district:

The various beds or formations named below all crop out in southwest Arkansas and east Texas and have been studied and described in various government publications. See Hill's Reports, Arkansas Geological Survey, 1888; Veatch's Prof. Paper, U. S. Geological Survey No. 42, 1905; also various reports of the Louisiana Geological Survey. Accordingly we deem it highly desirable that all adopt the established nomenclature at the earliest possible moment. Much confusion results from employing such meaningless local names as Big Injun, Squaw Sand, Gyp, etc.

A general geologic section of the Caddo oil field, with approximate depths, in feet, of the various formations, the geologic names and general characteristics, is as follows:

To 20 feet, quaternary beds; gray surface sands and red clay.

EOCENE.

From 20 to 450 feet, Sabine sands; sands, some clay, many huge boulder-like concretions.

From 450 to 700 feet, midway clays; black clays with bed of limestone.

CRETACEOUS.

From 700 to 820 feet, Arkadelphia clays; black clays and sand; some gas.

From 820 to 940 feet, nacatoch sands; calcareous clay, sand; first or Shreveport gas.

From 940 to 1250 feet, marlbrook clays; calcareous clays.

From 1250 to 1520, annona chalk; clayey chalk; some gas.

From 1520 to 1770 feet, brownstown clays; chalky and blue clays; gas and good oil in upper porous chalky layers.

From 1770 to 2200 feet, eagleford clays; tough blue clays with extremely hard pyrite layers at top and below; some oil in upper pyrite layers.

From 2200 feet, Bingen sands; gas, oil good and bad, and salt water.

It is a most important fact to note that this field is not one of extremely local concentration. It has nothing in common with Beaumont or Jennings, but everything, save age, in common with the well known territories of western Pennsylvania, West Virginia, Ohio and Illinois. This vastness in lateral dimensions speaks well for both quantity of oil and gas and longevity of the field. Since the Cretaceous rocks are uplifted plateau-like beneath a large area in northwest Louisiana and East Texas (included in the quadrangle—approximately all Louisiana west of the Red River down as far as Grand Ecore and a contiguous area in Texas northeast of the Nacogdoches oil field) there seems to be no doubt that these sections of these states, as well as southwest Arkansas have an ample supply of excellent fuel for at least one or two generations to come.—G. D. Harris, Geologist to Louisiana.

NEW PIPE LINE NOTICE.

A notice posted by The Texas Company on October 31 states that on and after November 1 accrued storage and pipeage charges must be paid in advance of the movement of oil out of the pipe line, or in lieu of such payment a deposit must be made with the company or other satisfactory security given to cover charges.

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THE TANK STRAPPER'S COLUMN.

Here we were, in far away Texas, with no one to tell us that Taft had a chance. And we bet our hard-earned coin on Bryan. Was there an election? Or was it a dream? Was that real money we bet you, Bill Farish, that Bryan would carry New York? Did we actually bet you, Nazro, that Chanler would be elected? Horrible thoughts!

Bryan drilled the third dry one on that Presidential lease of his. Talk about Goose Creek and Markham! He didn't get even a denatured smell.

Ab Moore says we don't know any more about politics than we do about pool. Its worse than that Ab. We do know a pool ball from a cocoanut, but it's a cinch that we don't know a man on a steam roller from a man in a hearse when it comes to a Presidential race.

Consolation for Democrats: Texas is safe.

Bill Lockhart's gone bear hunting in the Big Thicket in Hardin County. He'll be in an awful fix if he can't buy a bear skin from some native on the way back. And don't forget to hang it on a tree and shoot a few holes through it, Bill. Do a good job while you're at it.

The big feature of the Beaumont Carnival this fall will be the stogie smoking contest between Farmer Dean, Murray Doan and Bill Osborne. Farmer Dean has a record of eight hundred and fifty stogies in seventeen hours.

Leigh Gordon and Joe Thompson traveled 340 miles on horseback over the Gulf pipe line right of way last month. John Fisher, alias Sunny Jim, says that when they got instructions to make the trip they practised at night for two weeks riding walking beams in the Glenn field.

Two more entries for the Wheeling Club: October 18, Frank Smith, a girl; October 20, Bill Tyrrell, a boy. Wonderful climate.

As a class the Petrolia oil field can boast of having the cleverest set of oil well managers, drillers and workmen of any institution of this nature. They are all polite and polished high-tone gentlemen and we are proud of them.—Petrolia (Tex.) Weekly Round-Up.

O, we don't know, Old Sport. Humble has her Lee Blaffer, Batson her Pat Barkley, Goose Creek has her Bill Farish, Markham has her Vic Gothe and Dayton has her Ed Pew—likewise, formerly, her Cal Clark. Whenever you want to rib up a High-Toned Oil Field Gentlemen's Contest don't figure on taking down the prize money until you see our entries.

THE TEXAS COMPANY EXHIBIT AT DALLAS.

A special feature of The Texas Company's exhibit at the Dallas (Tex.) State Fair, which closed November 1, was the model street and road construction, including sheet asphalt paving, vitrified brick with asphalt flux and oiled road. Texaco asphalt roofing and asphalt paints, all grades of illuminating oils, naphthas, lubricating oils, greases and roofing and tank cements were attractively exhibited at The Texas Company pavilion. The various products of the company's machine shop at Sour Lake likewise were shown to advantage. The Texas Company also had an exhibit this year at the annual Territorial Fair at Albuquerque, New Mexico, which opened September 29 and closed October 10.

THE TEXAS COMPANY TO INCREASE ITS CAPITAL.

Stockholders of The Texas Company have received notices of the annual meeting to be held at the refinery offices at Port Arthur on November 17 at which time a proposition is to be submitted to increase the authorized capital of the company from $12,000,000 to $18,000,000. The company will issue $4,000,000 of convertible debentures, bearing 6 per cent, holders of these to have the right to convert them into stock on the basis of $150 per share. These debentures are offered ratably to the stockholders. Arrangements have already been made whereby all the debentures not taken by the stockholders are subscribed. Sufficient of the new issue of stock to cover the conversion of the debentures will be appropriated. The company's annual statement shows $1,000,000 of the present capital as being unissued. The purpose of the increase is not stated.

GULF'S PIPE LINE TARIFF.

In the article on the Gulf Pipe Line Company's new Oklahoma-Texas pipe line tariff in the last number of the Journal it was stated that deliveries to customers' tanks at Lucas and vessels at Port Arthur were subject to a charge of 5 cents per barrel. This was in error. The tariff makes mention only of a charge for deliveries to vessels at Port Arthur, and this is put at 2 1-2 cents per barrel.

THE NEWS AT SMITH'S SMITHY.

Fred Davis is carrying on business for Mr. Smith, at the smithy, during the latter's absence in Alberta. He seems to be giving general satisfaction; and a better horseshoer probably never came to Wanstead.—Wanstead correspondence in Petrolia Advertiser.

AN ENGLISH NEWSPAPER'S DESCRIPTION OF THE TANKER TEXAS.

Concerning The Texas Company's new tanker Texas, which sailed from Sabine on October 26 with her third cargo of refined oil for Avonmouth, England, the Avonmouth Daily Press recently published the following:

A good deal of interest attaches to the American oil tank steamer Texas (Captain Pattson), which is lying in Avonmouth Dock. Apart from the fact that she has just completed her maiden voyage across the Atlantic, she derives notoriety from having steamed the whole distance burning oil fuel, and moreover she is only the second vessel flying the American flag that has been in the dock for quite a number of years—probably ten—the previous steamer on the American register, to have used the port during that period, being another oil freight steamer, the Sun, of the Sun Oil Company, which was berthed a little time back. Yesterday morning a representative of the "Daily Press" was taken over the Texas by the captain, and her many remarkable features pointed out; Captain Harvey, the dockmaster, at Avonmouth, being also of the party.

The Texas is a typical American oil freight steamer, 410 feet in length, belonging to The Texas Company, and was built by the Newport News Shipbuilding and Dry Dock Company, Virginia. Having only been delivered out of the builders' hands this year, she is naturally provided with the most up-to-date improvements which the Americans have introduced into vessels of this type, and apparently it would seem that many of the requirements of the American mercantile marine, which has adopted the regulations of the "Bureau Veritas," are in excess of those of the British Board of Trade.

* * * * *

As regards her burner arrangements for the consumption of oil fuel, Captain Pattson thinks that American designs for burners are somewhat ahead of those used in English ships, and gives that as a reason for oil fuel being more largely used in American vessels—of course proportionately—than in British. He was naturally reticent about the consumption of fuel by his own vessel, or as to how the case worked out, when compared with coal, but he threw out the significant hint that if oil remained at anything like its present price, oil fuel was more likely to come into general use. Pointing out its advantages, he mentioned that it was cleaner to handle, and easier to stow than coal, space being utilized to carry oil which was quite out of the question so far as coal was concerned. By utilizing oil fuel, too, it gave a vessel a command of a far greater radius—that is, she could conveniently take enough oil to carry her over a longer distance than she could ever traverse with coal bunkers; in fact Captain Pattson pointed out an oil-consuming steamer could go right from New York to China, without having to put in anywhere to replenish her fuel. The Texas can maintain a speed of from eleven to fifteen knots, according to the amount of oil fuel consumed, and coming across the Atlantic under easy steam, she averaged eleven knots, and proved herself a good sea boat.

Captain Pattson advanced, as a reason that there were comparatively so few vessels on the American Register, the fact that the American maritime regulations were so strict. In order to qualify for flying the Stars and Stripes a vessel had to be built in the States, of American material, and with American labor; no purchased boat could fly the flag. The consequence was that the cost of building vessels in America kept the number on the register down; and he asserted that three similar vessels could have been built in Great Britain for what it cost to turn out the Texas in America. Certainly very few, if any, British freight ships have anything like the finish of this American boat, and Captain Harvey passed the observation that American ships generally were built better in detail than British vessels. Some of the fittings and appointments of the Texas are quite up to those found on many a mail steamer, while the quarters for the crew, the galley and the food (all fresh meat), are calculated to make a British "A. B." turn green with envy. The nautical and navigating instruments would be a revelation to a good many skippers, and we are informed that the speed recording log used on the Texas is only to be found elsewhere in ships of the British navy. She is also fitted with powerful towing oil tank barges. Altogether the Texas is a very remarkable steamer, and one of which her captain is deservedly proud.

HEAVY CROSSING FOR GULF LINE AT RED RIVER.

The Gulf Pipe Line Company is putting in a heavy crossing at Red River to protect itself, as far as possible, against a recurrence of the washout at this point last May. One thousand feet of wrought iron pipe, weighing 46 pounds to the foot, is being substituted for the 28 pound line pipe. Extra heavy collars are also being used, and around each collar and in the middle of each joint of pipe a 600 pound cast iron clamp is to be fastened. Eighty-six of these clamps will be used, the entire lot weighing 51,600 pounds, while the pipe itself weighs 46,000 pounds, or a total of nearly 50 tons.

NEW WELLS AT PETROLIA, TEXAS.

Development is picking up in the Petrolia (Henrietta) oil and gas field in Clay County, Texas. Three wells were completed in October by the Navarro Refining Company. No. 2 on the Perkins land started at 75 barrels or better and No. 3 on the same land at 60 barrels. The Navarro Company's No. 1 on the Carrow land is rated a 15 barrel well. The Navarro Company is drilling No. 4 on the Perkins, No. 2 on the Carrow, No. 2 on the Avis & Smith, No. 1 on the De Vitt and No. 2 on the Schnell. The Clayco Oil & Pipe Line Company—now owned by the Navarro Company—is drilling No. 6 on the Lochridge land, the Producers Oil Company is drilling No. 1 on Block 24 and No. 1 on Block 91 of the Byers land and the Sun Company is drilling No. 1 on the Landrum. The Navarro Company now has three good pumpers on the Perkins.

GAS FOR HENRIETTA, WICHITA FALLS AND FT. WORTH.

The Navarro Refining Company has ordered pipe for a 4 inch gas line from Petrolia (Henrietta oil field) to Wichita Falls and Henrietta, Texas, and expects the delivery of the pipe during this month. The lines should be completed to the corporate limits of the two towns by January 1. The same company intends to put a gas line into Fort Worth from Petrolia and will commence taking the right of way immediately.

The Clayco Company's gasser on the Panhandle tract at Petrolia is not yet shut in, but preparations are being made to control it before the end of this week. The gas from this well will be used to supply the lines to Henrietta and Wichita Falls. Henrietta is 16 or 18 miles south of Petrolia and Wichita Falls is about the same distance west.

GORDON AND THOMPSON DO AN EQUESTRIAN STUNT.

L. S. Gordon, superintendent of the Texas division of the Gulf lines, and J. S. Thompson, superintendent of the Oklahoma division, recently rode horseback over the pipe line right of way from Chambers station in Oklahoma to Sour Lake station in Hardin County, Texas, a distance of 340 miles. They spent three weeks on the trip, making a careful investigation of the physical condition of the line. The 170 miles between Big Sandy and Sour Lake they covered in five days. The Gulf Company has put gates in all fences and has bridged the smaller streams and put in ferries across the larger ones. This makes it comparatively easy going for the "track walkers."

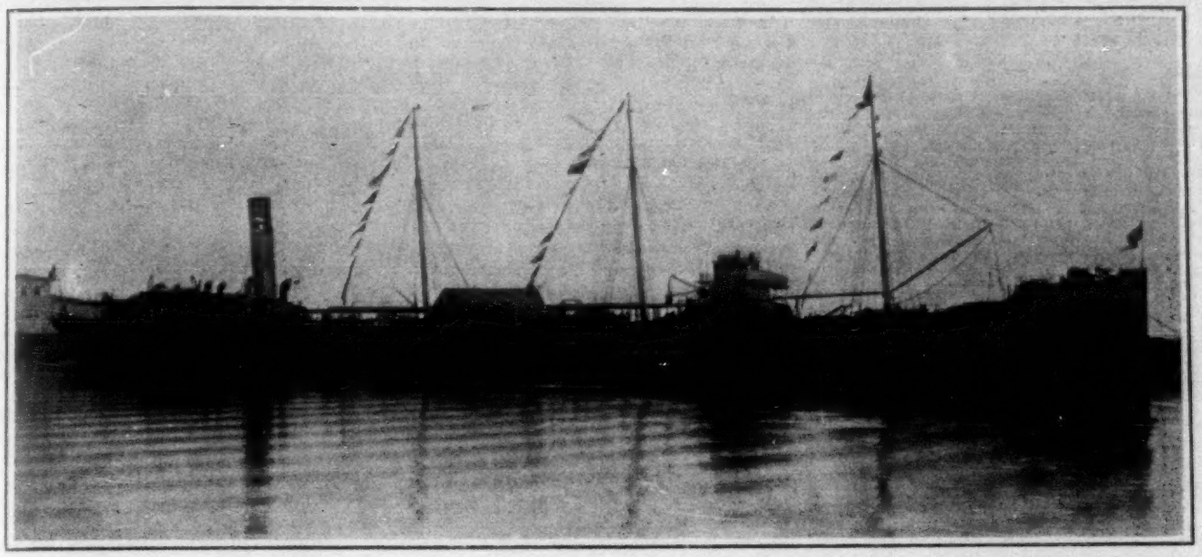
CORSICANA AND POWELL.

Two dry holes and one 5 barrel producer were completed at Corsicana in October. P. M. Lea's No. 4 on the Thompson farm was the producer. The Corsicana Petroleum Company got a dry one in its No. 5 on the Anderson land and its No. 9 on the Roberts. In the Powell district, Whitehill & Company's No. 25 on the J. O. Burke is credited with 30 barrels, C. L. Witherspoon's No. 1 on his own land is rated at 20 barrels, Witherspoon & Company's No. 1 on the John Towns at 10 barrels, and the Junior Oil & Pipe Line Company's No. 13 on the Towns at 15 barrels. Witherspoon & Company's No. 1 on the J. D. Mills, Jr., and No. 2 on the J. Jackson were dry, making four producers with 75 barrels of new oil and 2 dry in the Powell completions last month. Three wells were drilling October 31.

HARDY OIL COMPANY ON A DEAL.

It is stated by officers of the Hardy Oil Company, operating at Markham, that no deal has yet been closed on the property. Negotiations that were opened with the Guffey Company, the Higgins Oil & Fuel Company and Kountz Brothers were not brought to final consummation. It is understood that the Hardy people are now dealing with the Producers Oil Company, and that the result will be known within a week.

Tanker "Oklahoma" Lying at the Gulf Refining Company's Docks, Port Arthur, Texas.



ARRIVAL OF THE BIG VESSEL CELEBRATED BY A LUNCHEON ON BOARD.

The steamship Oklahoma, the largest oil tanker ever turned out of an American shipyard, and one of the best equipped vessels ever built for the business, reached Port Arthur, Texas, on October 28 and tied up at the wharf of the Gulf Refining Company. She is the property of the J. M. Guffey Petroleum Company and was completed by the New York Shipbuilding Company of Camden, N. J., last April. This vessel was built under the direction of George H. Taber, general manager of the Gulf Refining Company, and manager of the marine department of the J. M. Guffey Petroleum Company. She has made several trips to European ports, her average cargo being 64,000 barrels. Her seagoing qualities have thus been thoroughly tested and, it is stated, she has exceeded specifications. She sailed on October 30 with 60,247 barrels of refined oil consigned by the Gulf Refining Company to London, England.

Her arrival in port October 28 was the signal for a jubilee, one feature of which was an elaborate course luncheon, served aboard ship, to about sixty citizens of Port Arthur, officers of the Guffey and Gulf Companies and representatives of the oil interests of the southwest. The following gentlemen were present:

Captain A. Gunter of the Oklahoma; H. Henderson, E. A. Laughlin, H. F. Best, C. E. Dodge, C. E. Smith, John W. Tryon, James Kennedy, D. E. Connor, R. C. Butler, George M. Craig, Burton E. Newcomb, Wesley A. Looney, G. B. Woods, W. T. Mullin, George L. Prichard, A. J. Vuylsteke, consul of the Netherlands; W. N. Long, George Dryden, John Fogh, Captain Johnson, Captain Jenkins, W. N. McReynolds, S. O. Latimer, C. F. Seafers, C. Flanagan, Frank Lopez, E. Jackson, Dr. Ford, J. T. Cruise, R. H. Dunn, F. F. Axtell, Captain Kort, C. F. Ireland, George Davis, R. H. Woodworth, G. P. Williams, P. C. Pfeiffer, Joe Williams, Roy Stump and G. N. Bliss.

The banquet room was decorated with gay colored signal flags and bunting and the tables were garnished with roses. The menu was prepared by the commissary of the Gulf Refining Company.

Beginning at about three o'clock the luncheon was served in courses and lasted until early evening. In response to repeated calls speeches were then made by W. A. Looney, assistant general manager of the Gulf Refining Company with headquarters at Pittsburg; superintendent of marine department, James Kennedy of New York City; agent of the marine department, G. N. Bliss, of Port Arthur; collector of customs, R. H. Dunn, of Port Arthur, and by John W. Tryon, manager of the refinery of the Gulf Refining Company at Port Arthur. Mr. Tryon's remarks were interrupted by a cry of fire from a neighboring tanker, the Florida of The Texas Company, and all hands were called on deck. Although the blaze was promptly put out this incident ended the festivities. Tugs shortly after bore the guests to Port Arthur.

In point of convenience, finish and the possession of all apparatus for ocean travel, the Oklahoma far outranks the run of modern freight steamers and is on a par with many first class passenger ships. A detailed technical description of the vessel appeared in the June, 1907, issue of International Marine Engineering and was reproduced in the July 19, 1907, issue of the Oil Investors' Journal. She has a gross tonnage of 5853 and a net register tonnage of 3795, is 425 feet over all, and it is expected will ply in the American-European oil trade of the Gulf Refining Company from Port Arthur from now on. This company is shipping large quantities of oil from its Port Arthur refinery, having in port while the Oklahoma was lying at her dock, six large vessels, loading oil for domestic and foreign shipment. Two hundred thousand barrels were loaded in three days, half of this quantity being refined oils for European ports.

THE WATERS PIERCE CASES.

The United States Supreme Court decided against H. Clay Pierce on his appeal from the Federal Court at St. Louis in the habeas corpus proceeding by which he sought to prevent the execution of extradition papers in the case in which he is charged with false swearing in connection with the readmission of the Waters Pierce Oil Company to Texas in 1900. Immediately after the decision was reported it was announced that Mr. Pierce would go voluntarily to Austin to make his appearance in the case. He is expected to reach there November 9. The main penalty case of the State of Texas against the Waters Pierce Company was argued in the Federal Supreme Court last week and the first of this week.

BATSON-SARATOGA PIPE LINE SOLD.

By order of court, George Hamman, trustee for the Commercial Oil Company, in bankruptcy, on October 23 sold the Commercial Company's 6 inch pipe line extending from the Batson oil field to Saratoga, a distance of 6 miles. The Petroleum Iron Works Company bid it in at $11,500. The purchase includes a pump station at Batson and a loading rack on the Santa Fe at Saratoga.

BACK NUMBERS OF OIL INVESTORS' JOURNAL WANTED.

We offer 20 cents a copy for the following numbers of the Oil Investors' Journal: May, July, September, November, December, 1902; January, February, May, October, November, December, 1903; May and September 1904; March, 1907; January 5, 1908. Address Oil Investors' Journal, Beaumont, Texas.

WANTED TO PURCHASE

Oil well casing. Line pipe. Will buy lines laid and remove same. Will buy wells and pull out casing. Every size and amount wanted. Write your terms at once. ADAMS PIPE WORKS, Los Angeles, California.

OIL OPERATIONS IN CHIHUAHUA.

Vice Consul C. M. Leonard transmits the following report on oil wells in the Mexican state of Chihuahua:

For several years persistent reports of the existence of oil in the eastern part of the state of Chihuahua have been current. For the last three years an American company has been carrying on operations with a great deal of secrecy, but it is learned on good authority that they are sinking three wells, varying in depth at the present time from 1400 to 3285 feet. In one well oil sand to a depth or thickness of 40 feet has been encountered; in the second it is reported three pay streaks have been cut, and in the third the oil-sand strata is said to be 120 feet thick. Oil has been found twice in the latter.

Adjacent to the lands mentioned the governor of this state, Hon. Enrique C. Creel, owns large tracts of oil lands, and in an interview he informed me that he had received very favorable reports from engineers who had examined his property, showing that the existence of oil is strongly indicated. He has given options on these lands to an American, who is now forming a company in the United States for exploiting them, and work is expected to commence soon.

Following is an analysis of a sample of oil obtained from this field:

Naphtha and light oil	14.38
Kerosene light F. P. 110	31.05
Kerosene heavy F. P. 128	22.06
Lubricating oil	20.00
Paraffin	10.00
Total	97.49

The oil discovered is a fine paraffin base, said to be equal to the best Pennsylvania oil. The sand is of a grade known as Bradford (Pa.) chocolate sand. The lands upon which this oil is located are on the line of the Kansas City, Mexico and Orient Railroad, now under construction, and the line will reach the oil fields within twelve months.

The government of the state of Chihuahua has offered $5000 gold for the first oil well brought in producing a minimum of 60 barrels of oil per day.

The benefit to the state of Chihuahua and in fact to all northern Mexico, should oil be found to exist in commercial quantities is incalculable. Kerosene sells in this market for 34 cents gold per gallon; gasoline for 47 cents per gallon, the foregoing being wholesale prices. The cheapest coal obtained here costs $6.25 per short ton and as high as $9 per short ton for the best quality of bituminous coal. It will thus be seen that the matter of fuel makes the cost of manufacturing so high as to offer very little encouragement to such industries.

ANNUAL STATEMENT OF PRODUCERS OIL COMPANY.

The annual meeting of stockholders of the Producers Oil Company will be held at the offices in the Stewart building, Houston, Texas, at 11 a. m., November 18. The stock transfer books were closed November 5 to remain closed until after the adjournment of the annual meeting. The statement of the Producers Company for the fiscal year ending June 30, 1908, is as follows:

ASSETS

Total investment	$3,108,155.04
Accounts and bills receivable	613,820.17
Cash	14,732.33
	$3,736,707.54

LIABILITIES

Accounts and bills payable	$ 338,279.78
Bonds	1,000,000.00
Capital stock	1,500,000.00
Surplus	500,000.00
Sinking fund	398,427.76
	$3,736,707.54

W. E. LOCKHART,
Secretary and Treasurer.

MINERAL PRODUCTS OF THE UNITED STATES.

The value of the mineral products of the United States in 1907 reached the enormous total of $2,069,289,196, surpassing the value of the same products in 1906 by $165,282,162, or 8.68 per cent, that of 1905 by 27.33 per cent, and of 1904 by 58.81 per cent. Both metallic and nonmetallic products contributed to the gain.

Two minerals—coal and iron—are credited with approximately 55 per cent of the total for the country, and three more—copper, clay products, and petroleum—furnish about 22 per cent, the five contributing about 77 per cent of the whole. The minerals whose output in 1907 was valued at more than $5,000,000 are listed in the following table:

Coal	$614,798,898
Iron	529,958,000
Copper	173,799,300
Clay products	158,942,369
Petroleum	120,106,749
Gold	90,435,700
Stone	71,105,805
Cement	55,903,851
Natural gas	52,866,835
Lead	38,707,576
Silver	37,299,700
Zinc	26,401,910
Sand and gravel, etc.	13,242,002
Lime	12,640,512
Phosphate rock	10,653,558
Salt	7,439,551
Mineral waters	7,331,503
Zinc white	6,490,660
Slate	6,019,220
Sulphur	5,142,850

Products whose output exceeded $1,000,000 in value were gypsum, valued at $4,942,264; aluminum, $4,926,948; mineral paints, $2,979,158; asphalt, $2,826,489; glass sand, $1,250,067; sand-lime brick, $1,225,769; and borax (crude), $1,121,520.

The total value of the metallic products in 1907 was $903,024,005; of the nonmetallic products, $1,166,165,191; $100,000, estimated as the value of such mineral products as molybdenum, nickel, titanium, not reported in detail, brings the total to the amount stated.

Pennsylvania, reporting mineral products valued at $657,783,345, has no close rival for first place among the states, for Ohio, which is second, reports products valued at $207,657,339, while the mineral products of Illinois, the state ranking third, were valued in 1907 at $145,768,464. Fourth on the list is West Virginia, with mineral products including coal, natural gas, and petroleum, valued at $92,487,960. Colorado is fifth, with products valued at $71,105,128, gold and coal furnishing more than 50 per cent of the value. Michigan is sixth, with products valued at $70,073,920, more than 60 per cent of the value being in copper. New York, the seventh state, reports products valued at $68,762,815, about 48 per cent of which is for pig iron. Montana is eighth on the list, with products valued at $60,663,511, about 74 per cent being copper. The ninth is Arizona, with products valued at $56,753,650, more than 90 per cent of which is for copper. California, with a long list of mineral products, among which gold and petroleum were produced to the greatest value, is the tenth state, the mineral output for the year being valued at $56,679,436.

Missouri, with products valued at $53,129,431, and Alabama, whose products were valued at $52,136,749, more than 90 per cent being for coal and iron, hold, respectively, eleventh and twelfth places. Products valued at more than $30,000,000 were reported also from Indiana ($39,141,217), Utah ($38,099,756), and New Jersey ($32,800,299). Between $20,000,000 and $30,000,000 worth of products were reported from Kansas ($28,577,044), Oklahoma ($26,908,968), Tennessee ($26,525,004), Nevada ($22,088,700), Idaho ($21,300,612), and Alaska ($20,200,552). States reporting between $10,000,000 and $20,000,000 worth of products are Texas ($19,806,458), Virginia ($19,313,182), Maryland ($19,356,250), Kentucky ($19,294,341), Iowa ($17,623,094), Wisconsin ($13,832,395), Washington ($11,617,706), Louisiana ($10,876,719), and Wyoming ($10,671,574). All of the other states and territories reported mineral products valued at less than $10,000,000.

The figures presented in the foregoing paragraphs are taken from a summary of the mineral production of the United States in 1907, compiled by W. T. Thom, of the United States Geological Survey, and published by the Survey as an advance chapter from "Mineral resources of the United States, calendar year 1907." This chapter is now ready for distribution and may be obtained by applying to the Director of the Survey at Washington, D. C.

HOUSTON CARNIVAL NEXT WEEK.

Colonel James Hayes Quarles, head of the publicity department of the No-Tsu-Oh Association of Houston, furnishes the following advance notice of the annual carnival which takes place next week in Houston:

The No-Tsu-Oh Carnival is not a money making affair. The parades, the fireworks, the illumination, etc., are all open air entertainments for the free pleasure of those who visit Houston at that time. It is to provide a fall amusement for the people who visit this city and is arranged in a neighborly spirit, and all are welcome. There is confetti throwing, burlesques, and bright illuminations, and the town is one gala place, with fun for every one. The dates this year are November 9 to 14. The railroads have made exceptionally low rates for the occasion, and it is expected that extra train service will be necessary to bring all who want to come.

There will be races every day during the Carnival. Midway attractions will be open every afternoon and evening, and in addition there will be social affairs of all kinds.

Your name on a postal card to the Houston Business League will get you by return mail a handsome folding post card, showing many views of Houston and incidents in the No-Tsu-Oh Carnival to be held in November.

At West Columbia the Palacios Oil Company's test is reported down over 600 feet. The Markham Fuel Oil Company's test had a fishing job but it is reported drilling again.

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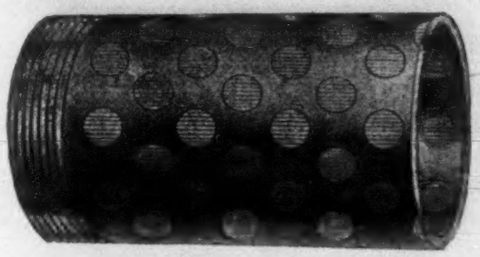

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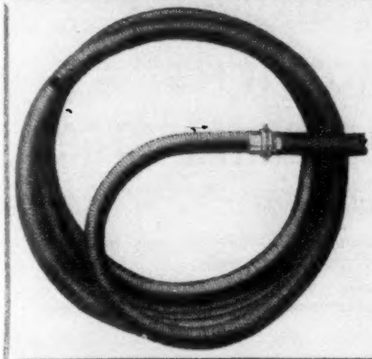

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WILDCAT NOTES.

The Paraffine Oil Company is drilling a test on the Will Cox farm, near Woodville, Tyler county, Texas.

The Columbia Prospecting Company, Ltd., with $50,000 authorized capital stock, was organized at New Iberia, La., on October 21 by Capt. A. F. Lucas, E. G. Acheson, B. L. Dulaney, J. H. Knapp, I. F. Allen, Arthur Knapp and E. S. Broussard. It is stated that options covering 7500 acres in the neighborhood of New Iberia have been secured and that a number of test wells will be drilled.

It is reported that Aladin Vincent and associates have leased to C. O. Noble of Jennings a part of the old Vincent ranch, south of Vinton and 18 miles west of Lake Charles, La., and that a well is to be put down at once. Several tests have been drilled on the Vincent ranch, but oil in paying quantities was not developed.

A gas pocket was struck in a well being drilled for sulphur at Bryan Heights, near Velasco, Tex., on October 20. A large quantity of mud was thrown out by the blowout.

Development will probably be renewed at the sulphur springs in Cherokee county, Texas, a few miles west of Jacksonville. About two years ago a well was drilled to a depth of about 600 feet. The new test is contracted to start by December 1.

It is reported from Angleton, Tex., that the showing in the Chenango, Tex., well is good with the drill in rock. Leasing is active in the vicinity and lumber is on the ground for two additional derricks.

A. C. Meagher has returned to Beaumont after completing a test for Will and Joe Rice, William Malone and associates on a mineral lease near Hall's Bayou, between the H. E. & W. T. and T. & B. V. railroads, about 10 miles northeast of Houston. The hole was drilled to 2050 feet. Nothing but a flow of water at about 1800 feet was found.

Dr. Robert P. O'Brien, of Beaumont, is still hopeful of results in his test on the Kimmey farm, 9 miles from Lufkin, Tex. The casing has been set at about 1000 feet. The Producers Company is drilling on the city water works property.

A new development company has been organized by Patillo Higgins and associates, known as the Patillo Higgins Coal, Oil & Gas Company. The stock is owned largely by Texas, Arkansas and Arizona people. It is chartered under the laws of Arizona with $1,000,000 capital. Its purpose is the general development of resources of the southwest and it already has holdings by purchase and lease of lands in the three above named states. At the organization meeting the following directors were elected for the first year: R. M. Johnston, S. B. Cooper, Carey Shaw, George L. Glass, A. E. Davis, Patillo Higgins, A. C. Swanson, Teolin Pillot, George M. Kuhn, Ben P. Tolbert and H. B. Warfield. The officers elected are R. M. Johnston, president; Patillo Higgins, vice president and general manager; G. L. Glass, second vice president; A. E. Davis, third vice president; C. Towell, secretary, and Carey Shaw, treasurer.

SOUTHERN PACIFIC'S FUEL OIL CONSUMPTION.

The following is from the San Antonio Express:

A recent dispatch from Washington says the total amount of oil used for fuel in the United States in 1907 was 18,855,691 barrels. These figures are given from a government report and probably are correct. This proves that the estimate of 50,000 barrels a day as the consumption of the Southern Pacific is entirely too high, as that would take practically all of the total consumption, leaving none to be consumed by the other roads. Even 30,000 barrels is probably a little high for the Southern Pacific estimate. A Los Angeles representative of the road places the figure at 25,000 barrels a day. Sometimes the consumption, he says, runs above that figure, but the average is not far from that figure. This would account for almost half of the entire consumption by all roads, leaving between 9,000,000 and 10,000,000 barrels to be consumed by roads other than the Southern Pacific. By far the greater part of this consumption is, of course, on the Pacific coast, although the Southern Pacific uses oil burning locomotives as far east as El Paso.

The Southern Pacific does not limit the use of fuel on its locomotives to its lines west of El Paso, but on the contrary uses it on the entire Atlantic system, extending through Louisiana and Texas. All locomotives on main line passenger trains in Texas and Louisiana are oil burners, and oil is used on most of the through freight engines. Last year, on account of the advance in the price of Texas and Louisiana crude to $1.15 a barrel on cars the Southern Pacific restored coal burning furnaces on many of its engines, but the consumption by this company in Texas and Louisiana is perhaps 6000 barrels a day.

ROTARY MAKING A RECORD.

Porter and Scribner, section 7-20-15—old Nathan lease—have their well No. 4 down about 1600 feet in 14 inch hole and no casing in the well. This well started about sixty days ago and is being drilled by the rotary process, which Supt. R. C. Baker regards as being a much faster method of sinking a hole than is the standard outfit commonly in use. Wells drilled on this property in the past have been expensive affairs and have taken a long time to drill. Evidently the rotary is making good on this lease.—Coalinga Oil Record.

ENORMOUS FLOW FROM MEXICAN GEYSER.

A letter received from a Texas operator at Tampico states that the geyser on the Pennsylvania Oil Company's property, controlled by the Pearsons, is making perhaps 15,000 barrels of oil, and an enormous quantity of water and solid matter, sufficient to fill a space 40 feet wide and 6 feet deep. W. W. Woodworth, a Texas contractor, is building some large earthen tanks to hold the oil. It was reported in the daily papers several days ago that fifty men had been killed by the poisonous gases emanating from the geyser. No confirmation of this report has been received.

Work is to begin within ninety days on leases acquired near the old McCormick well near Davilla, eighteen miles northeast of Taylor, Tex.

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SHIPMENTS OF OIL FROM PORT ARTHUR

[In Barrels of 42 Gallons.]

Oct.	Rig	Name Vessel	Loaded by	Consignee	Destination	Gulf crude	Refinery products
17	Barge	Gusher	Gulf Ref. Co	Guyton & Co.	Galveston	7,149	.....
17	Barge	Gusher	Gulf Ref. Co.	Guyton & Co.	Galveston	*a* 2,19	.....
19	Ss.	J. M. Guffey	Gulf Ref. Co.	For orders.	Philadelphia	437	1,257
19	Ss.	J. M. Guffey	Gulf Ref. Co.	For Orders	Philadelphia	*a* 21,557	.....
19	Barge	Cohemaugh	Gulf Ref. Co.	Gulf Ref Co	Port Tampa, Fla.	.....	17,286
19	Barge	Allegheny	Gulf Ref. Co.	Gulf Ref. Co.	Tampa, Fla.	.....	4,334
20	Barge	Mingo	Gulf Ref. Co	Gulf Ref Co.	Jacksonville, Fla.	.....	4,43
20	Ss.	Carpathia	The Texas Co.	For Orders	Amsterdam, Hol.	.....	48,981
20	Ss.	Florida	The Texas Co.	For Orders	Amesville La	1[illegible],340	.....
20	Ss.	Florida	The Texas Co.	For Orders	Amesville, La.	*b* 593	.....
20	Barge	Dallas	The Texas Co.	For Orders	Amesville, La.	17,9[illegible]7	.....
21	Ss.	Northtown	The Texas Co.	For Orders	Baltimore, Md.	21,3[illegible]8	.....
21	Ss.	Northtown	The Texas Co.	For Orders	Baltimore, Md.	*b* 1,207	.....
22	Ss.	Northwestern	The Texas Co.	For Orders	Porto Rico	*b* 1,45[illegible]	.....
23	Ss.	Texas	The Texas Co.	For Orders	Avonmouth, Eng	*b* 6,2[illegible]2	.....
24	Ss.	Ewell Dawson	Gulf Ref. Co.	For Orders	Liverpool, Eng.	.....	16,438
26	Barge	Magnolia	The Texas Co.	For Orders	Delaware Riv. Sta.	.....	7,[illegible]65
29	Ss.	Florida	The Texas Co.	For Orders	Amesville La.	11,481	.....
29	Ss.	Florida	The Texas Co.	For Orders	Amesville, La.	*b* 633	.....
30	Ss.	Larimer	Gulf Ref. Co.	Gulf Ref. Co.	Bayonne & Beverly	4,148	34,481
30	Barge	Shenango	Gulf Ref. Co.	Gulf Ref. Co.	Beverly, Mass.	433	2,485
30	Ss.	Oklahoma	Gulf Ref. Co.	For Orders	London, Eng.	.....	60,247
31	Ss.	Terek	Gulf Ref. Co.	For Orders	Rotterdam, Hol.	.....	40,076
31	Barge	Dallas	The Texas Co.	For Orders	Amesville, La.	18,329	.....
31	Barge	Saratoga	The Texas Co.	For Orders	Amesville, La.	2,644	.....
	Miscellaneous dock deliveries by The Texas Co. to tugs and barges					317	.....
	Miscellaneous dock deliveries by the Gulf Ref. Co. for bunkers					336	.....
	Miscellaneous dock deliveries by Gulf Refining Co. for bunkers					*a* 228	.....
	Total for last half of October					129,920	253,184
	Total for first half of October					142,336	200,750
	Total for October					272,256	463,934

a Oklahoma Crude. *b* Bunker oil.

SHIPMENTS OF OIL FROM SABINE

[In Barrels of 42 Gallons.]

Oct.	Rig	Name Vessel	Loaded by	Consignee	Destination	Gulf crude	Refinery products
17	Barge	Sabine	Security O. Co.	For orders.	Jacksonville & Sav.	.....	22,949
17	Ss.	Toledo	Sun P. L. Co	Sun Co.	Marcus Hook, Pa.	18,003	.....
23	Barge	Gusher	Sun P. L. Co	Guyton & Co.	Galveston	8,625	.....
26	Ss.	Texas	Security O. Co.	For Orders	Avonmouth, Eng.	.....	51,961
27	Ss.	Bloomfield	Security O. Co.	For Orders	London, Eng.	.....	45,083
	Miscellaneous dock deliveries by Higgins Oil & Fuel Co. to tugs and barges					1,217	.....
	Total for last half of October					27,845	119,993
	Total for first half of October					37,616	21,267
	Total for October					65,461	141,260

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DEATH OF CHARLES SPITLER.

Charles Spitler, local manager of the Oil Well Supply Company at Beaumont, died at 2:30 a. m. Saturday, October 24, at the Sisters' Hospital at Beaumont after an illness of a week. His death was caused by a complication of pneumonia and organic heart trouble, following an attack of grip. He was taken sick on October 17 at his rooms in the Duke hotel, was soon after removed to the hospital, but was not considered seriously ill until the day of his death. The funeral took place at North Baltimore, Ohio, on October 28.

Mr. Spitler came to Beaumont last February from the north, after serving the Oil Well Supply Company at Franklin, Pa., Findlay, Ohio and Tilbury, Canada. He was an Elk, a member of the Findlay lodge, and was possessed of a genial personality which made him many friends during the short term of his residence south. His sudden death is a source of keen regret in oil circles. The surviving members of his family all reside in the north.

A test is being drilled at Seadrift on the coast in Calhoun county.

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